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Aqueous Ammonia Equilibrium— Tabulation of Percent Un-Ionized Ammonia

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AQUEOUS AMMONIA EQUILIBRIUM -
TABULATION OF PERCENT UN-IONIZED AMMONIA

by

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FOREWORD

Our nation's freshwaters are vital for all animals and plants, yet our diverse uses of water---for recreation, food, energy, transportation, and industry---physically and chemically alter lakes, rivers, and streams. Such alterations threaten terrestrial organisms, as well as those living in water. The Environmental Research Laboratory in Duluth, Minnesota develops methods, conducts laboratory and field studies, and extrapolates research findings

- to determine how physical and chemical pollution affects aquatic life
- to assess the effects of ecosystems on pollutants
- to predict effects of pollutants on large lakes through use of models
- to measure bioaccumulation of pollutants in aquatic organisms that are consumed by other animals, including man.

This report is part of a larger study undertaken to describe the acute and chronic toxicity of ammonia to aquatic organisms. Ammonia is a ubiquitous chemical substance in the environment because it is part of the nitrogen biogeochemical cycle. Nitrogen is an essential element and constituent of all living organisms. Ammonia is a biologically active compound present in most waters as a normal biological degradation product of nitrogenous organic matter. It may reach ground or surface waters as a byproduct of industrial waste, organic wastes or agricultural or domestic sources, or land run-off from non-point sources. When ammonia or ammonia salts dissolve in water, a chemical equilibrium is established which contains un-ionized ammonia (NH_3), the ammonium ion (NH_4^+), and hydroxide ion (OH^-). In order to describe accurately the concentration of the different forms of ammonia and their relative biological activity, this report describes the aqueous ammonia equilibrium at zero salinity and tabulates the percent unionized ammonia as a function of pH and temperature.

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ABSTRACT

The percent of un-ionized ammonia as a function of pH and temperature in aqueous ammonia solutions of zero salinity is presented in tabular form over the following ranges: temperature 0.0 to 40.0 C in increments of 0.2 degree, and pH 5.00 to 12.00 in increments of 0.01 pH unit.

This report was submitted in fulfillment of Grant No. R-800861 by the Fisheries Bioassay Laboratory, Montana State University, Bozeman, under the sponsorship of the U.S. Environmental Protection Agency. This report covers a grant period from January 1, 1971 to December 31, 1975 and the final report was completed as of June, 1979. Interim funding has been received under EPA Grant Nos. R-805636 and R-803950.

CONTENTS

Foreword	iii
Abstract	iv
Acknowledgments.	vi
I. Introduction	1
II. Calculation of percent un-ionized ammonia.	3
III. Procedures for use of percent un-ionized ammonia table	4
References	6
Appendix. Table A-1. Percent un-ionized NH_3 as a function of pH and temperature	7

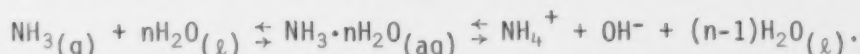
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SECTION I

INTRODUCTION

Ammonia, when dissolved in water, exists in both an un-ionized form (NH_3), and in an ionized form (NH_4^+). This relationship is principally a function of the pH, temperature, and ionic strength of the aqueous solution. The equation expressing the aqueous ammonia equilibrium can be written as



As indicated in this equation, the dissolved ammonia molecule exists in hydrated form; it is hydrogen-bonded to at least three water molecules (Butler 1964).

Research by Chipman (1934), Wuhrmann *et al.* (1947), and Wuhrmann and Woker (1948) has established that the NH_3 species of total aqueous ammonia is relatively more toxic than the NH_4^+ species. Based on this and other research, a water quality criterion of 0.02 mg/liter NH_3 has been established by the U.S. Environmental Protection Agency (1977) to protect freshwater aquatic life. There is at present no Environmental Protection Agency criterion for NH_4^+ or for total ammonia.

Tabata (1962) has attributed toxicity to fishes and aquatic invertebrates to the NH_4^+ fraction as well as to the NH_3 fraction, and has estimated NH_4^+ to be perhaps 1/50th as toxic as NH_3 . More recently, Armstrong *et al.* (1978) have reported the toxicity of NH_4^+ to be greater than that reported by Tabata, under the conditions of their tests on prawn (*Macrobrachium rosenbergii*) larvae. Experiments conducted on fishes in our laboratory (unpublished data) also indicate that the toxicity of the NH_4^+ species and/or the effect of pH on the toxicity of NH_3 is greater than previously reported in the literature.

Regardless of the relative toxicity of these two chemical species, an exact understanding of their aqueous equilibrium relationship is essential. A number of analytical methods are available for direct determination of total ammonia concentrations in aqueous solutions. NH_3 may be measured directly by a selective membrane probe, although the lower limit of detection by commercially available probes is on the order of 10^{-6} M, which is above the NH_3 concentration of most natural water systems. If the pH of the solution measured is altered to facilitate measurement of NH_3 , the original composition must be computed; if total ammonia is measured, NH_3 must be computed. Either way, the percent of total ammonia initially present as NH_3 or as NH_4^+ must be determined by calculation based on the ammonia-water equilibrium at the original pH and temperature.

Analysis of data generated in our studies on the toxicity of ammonia to fishes and aquatic invertebrates created a need for the best possible data on the equilibrium relationship between NH_3 and NH_4^+ . We therefore conducted a critical evaluation of the literature data on the ammonia-water equilibrium system and developed equations for calculation of pK_a as a function of temperature and of percent NH_3 and NH_4^+ for total ammonia solutions as a function of pH and temperature. Results of our evaluation have already been discussed in detail elsewhere (Thurston *et al.* 1974; Emerson *et al.* 1975). The purpose of the present report is to provide water pollution workers with a reference table of percent un-ionized ammonia values based on the results of the previously published research, and at smaller increments of pH and temperature than in other abbreviated tables provided in our previous publications.

SECTION II

CALCULATION OF PERCENT UN-IONIZED AMMONIA

To calculate the temperature dependence of the pK for NH_3 , and to calculate the fraction of NH_3 , we used the equations from Emerson *et al.* (1975). Values of the NH_3 fraction, expressed as percentage of total ammonia, are listed in Table A-1 at temperature intervals of 0.2 degree from 0.0 to 40.0 C, and pH intervals of 0.01 pH unit from pH 5.00 to 12.00. If percent NH_3 values for smaller increments of temperature within the range reported are desired, these can readily be linearly interpolated from Table A-1. It should be noted by users of Table A-1 that the equation used for pK_a is invalid outside the temperature range 0 to 50 C because it was obtained empirically. Extrapolations to temperatures above 50 C or below 0 C should not be made.

It should also be noted that, although pH and temperature are the most important factors which determine the percentage of total ammonia in either the ionized or un-ionized form, ionic strength is another important influence on this equilibrium. There is a decrease in the percentage of un-ionized ammonia as the ionic strength increases in hard water or in dilute saline solution. In most natural freshwater systems, even up to 200-300 mg/liter dissolved solids, the reduction of percent NH_3 attributable to dissolved solids is negligible. In more saline or very hard waters there will be small but significant decreases in the percent NH_3 ; these cannot be readily calculated or derived from the data presented here.

SECTION III

PROCEDURE FOR USE OF THE PERCENT UN-IONIZED AMMONIA TABLE

Concentrations of ammonia have been reported in the literature as a variety of different forms, such as NH_3 , NH_4^+ , $\text{NH}_3\text{-N}$, NH_4OH , NH_4Cl , and others. Standard analytical methods for determining ammonia measure total ammonia, often referred to as the "analytical concentration" of ammonia. If the total ammonia concentration is expressed in one form and you wish to convert it to some other desired form, you can always do so by multiplying the expressed value by the ratio of the formula weight (F.W.) of the desired form over the formula weight of the expressed form; i.e.,

$$\text{Concentration as expressed form} \times \frac{\text{F.W. of desired form}}{\text{F.W. of expressed form}} = \text{Concentration as desired form.}$$

Several examples of these conversion factors, to convert total ammonia in one form to total ammonia in another form, are given below; to convert from the expressed form to the desired form, multiply the expressed form by the conversion factor.

<u>Total Ammonia Expressed Form (F.W.)</u>	<u>Total Ammonia Desired Form (F.W.)</u>	<u>Conversion Factor</u>
$\text{NH}_3\text{-N}$ (14.0)	NH_3 (17.0)	17/14
NH_4^+ (18.0)	NH_3 (17.0)	17/18
NH_4^+ (18.0)	$\text{NH}_3\text{-N}$ (14.0)	14/18
NH_4OH (35.0)	$\text{NH}_3\text{-N}$ (14.0)	14/35
NH_4Cl (53.5)	NH_3 (17.0)	17/53.5

Table A-1 gives the percent of the total ammonia concentration which is present as un-ionized ammonia at the desired temperature and pH. The table may be used with any units which express the total ammonia concentration as weight per unit volume; examples are mg/liter, grains/gallon, ppm. Given the total ammonia concentration, temperature, and pH, multiply the total ammonia concentration by the appropriate fraction (percent/100) taken from Table A-1. The un-ionized ammonia concentration obtained will be in the same form and units as the total ammonia concentration.

Example 1. Suppose the total ammonia concentration, expressed as NH_3 , is 12.0 mg/liter at a pH of 7.80 and a temperature of 13.0 C. What is the concentration of un-ionized ammonia, expressed as NH_3 , under these conditions?

Solution: From Table A-1 the percent of un-ionized ammonia at the pH and temperature is 1.52. Hence the concentration of un-ionized ammonia as NH_3 is

$$12.0 \text{ mg/l} \times 0.0152 = 0.182 \text{ mg/l}$$

Example 2. Suppose the total ammonia concentration, expressed as NH_4Cl , is 8.50 mg/liter, at a pH of 6.90 and a temperature of 18.0 C. What is the concentration of un-ionized ammonia expressed as NH_3 ?

Solution: To convert from mg/liter NH_4Cl to mg/liter NH_3 , multiply by the factor 17/53.5 (see example in conversion table above). The percent of un-ionized ammonia is obtained from Table A-1 as before; in this case it is 0.272. The result is then

$$8.50 \text{ mg/l} \times 17/53.5 \times 0.00272 = 0.00735 \text{ mg/l un-ionized ammonia as } \text{NH}_3.$$

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APPENDIX

Table A-1. Percent un-ionized NH_3 as a function of pH and temperature.

TABLE A-1. PERCENT UN-IONIZED NH_3 AS A FUNCTION OF PH AND TEMPERATURE.

TEMP DEG C	5.00	5.01	5.02	5.03	5.04	5.05	5.06	5.07	5.08	5.09	5.10
0	.0083	.0085	.0087	.0089	.0091	.0093	.0095	.0097	.0099	.0102	.0104
2	.0084	.0086	.0088	.0090	.0092	.0094	.0097	.0099	.0101	.0103	.0106
4	.0086	.0088	.0090	.0092	.0094	.0096	.0098	.0100	.0102	.0105	.0108
6	.0087	.0089	.0091	.0093	.0095	.0098	.0100	.0102	.0104	.0106	.0109
8	.0088	.0090	.0092	.0094	.0097	.0099	.0101	.0103	.0106	.0108	.0111
10	.0090	.0092	.0094	.0096	.0099	.0101	.0103	.0105	.0107	.0110	.0113
12	.0091	.0094	.0096	.0098	.0100	.0103	.0105	.0107	.0110	.0112	.0115
14	.0093	.0095	.0097	.0099	.0102	.0104	.0106	.0109	.0111	.0114	.0117
16	.0095	.0097	.0099	.0101	.0104	.0106	.0109	.0111	.0114	.0116	.0119
18	.0096	.0098	.0101	.0103	.0105	.0108	.0110	.0112	.0115	.0117	.0120
20	.0098	.0100	.0102	.0105	.0107	.0110	.0112	.0115	.0117	.0120	.0123
22	.0099	.0102	.0104	.0106	.0109	.0111	.0114	.0117	.0119	.0122	.0125
24	.0101	.0103	.0106	.0108	.0111	.0113	.0116	.0118	.0121	.0124	.0127
26	.0103	.0105	.0108	.0110	.0112	.0115	.0117	.0120	.0123	.0126	.0129
28	.0104	.0107	.0109	.0111	.0114	.0117	.0119	.0122	.0125	.0128	.0131
30	.0106	.0109	.0111	.0114	.0116	.0119	.0122	.0125	.0128	.0131	.0134
32	.0108	.0110	.0113	.0116	.0118	.0121	.0124	.0127	.0130	.0133	.0136
34	.0110	.0112	.0115	.0118	.0120	.0123	.0126	.0129	.0132	.0135	.0138
36	.0112	.0114	.0117	.0119	.0122	.0125	.0128	.0131	.0134	.0137	.0140
38	.0113	.0116	.0119	.0121	.0124	.0127	.0130	.0133	.0136	.0139	.0142
40	.0115	.0118	.0121	.0123	.0126	.0129	.0132	.0135	.0138	.0141	.0144
42	.0117	.0120	.0123	.0126	.0128	.0131	.0134	.0137	.0140	.0143	.0146
44	.0119	.0122	.0125	.0128	.0131	.0134	.0137	.0140	.0143	.0146	.0149
46	.0121	.0124	.0127	.0130	.0133	.0136	.0139	.0142	.0145	.0148	.0151
48	.0123	.0126	.0129	.0132	.0135	.0138	.0141	.0144	.0147	.0150	.0153
50	.0125	.0128	.0131	.0134	.0137	.0140	.0143	.0146	.0149	.0152	.0155
52	.0127	.0130	.0133	.0136	.0139	.0142	.0145	.0148	.0151	.0154	.0157
54	.0129	.0132	.0135	.0138	.0141	.0144	.0147	.0150	.0153	.0156	.0159
56	.0131	.0134	.0137	.0140	.0143	.0146	.0149	.0152	.0155	.0158	.0161
58	.0133	.0136	.0139	.0142	.0145	.0148	.0151	.0154	.0157	.0160	.0163
60	.0136	.0139	.0142	.0145	.0148	.0151	.0154	.0157	.0160	.0163	.0166
62	.0138	.0141	.0144	.0147	.0150	.0153	.0156	.0159	.0162	.0165	.0168
64	.0140	.0143	.0146	.0149	.0152	.0155	.0158	.0161	.0164	.0167	.0170
66	.0142	.0145	.0148	.0151	.0154	.0157	.0160	.0163	.0166	.0169	.0172
68	.0144	.0147	.0150	.0153	.0156	.0159	.0162	.0165	.0168	.0171	.0174
70	.0145	.0148	.0151	.0154	.0157	.0160	.0163	.0166	.0169	.0172	.0175
72	.0147	.0150	.0153	.0156	.0159	.0162	.0165	.0168	.0171	.0174	.0177
74	.0148	.0151	.0154	.0157	.0160	.0163	.0166	.0169	.0172	.0175	.0178
76	.0149	.0152	.0155	.0158	.0161	.0164	.0167	.0170	.0173	.0176	.0179
78	.0150	.0153	.0156	.0159	.0162	.0165	.0168	.0171	.0174	.0177	.0180
80	.0151	.0154	.0157	.0160	.0163	.0166	.0169	.0172	.0175	.0178	.0181
82	.0152	.0155	.0158	.0161	.0164	.0167	.0170	.0173	.0176	.0179	.0182
84	.0153	.0156	.0159	.0162	.0165	.0168	.0171	.0174	.0177	.0180	.0183
86	.0154	.0157	.0160	.0163	.0166	.0169	.0172	.0175	.0178	.0181	.0184
88	.0155	.0158	.0161	.0164	.0167	.0170	.0173	.0176	.0179	.0182	.0185
90	.0156	.0159	.0162	.0165	.0168	.0171	.0174	.0177	.0180	.0183	.0186

TABLE A-1 CONTINUED

TEMP DEG C	5.00	5.01	5.02	5.03	5.04	PH 5.05	5.06	5.07	5.08	5.09	5.10
7.0	.00147	.00150	.00154	.00157	.00161	.00165	.00169	.00173	.00177	.00181	.00185
7.2	.00149	.00153	.00156	.00160	.00164	.00167	.00171	.00175	.00179	.00184	.00188
7.4	.00152	.00155	.00159	.00163	.00166	.00170	.00174	.00178	.00182	.00187	.00191
7.6	.00154	.00158	.00161	.00165	.00169	.00173	.00177	.00181	.00185	.00190	.00194
7.8	.00157	.00160	.00164	.00168	.00172	.00176	.00180	.00184	.00188	.00193	.00197
8.0	.00159	.00163	.00167	.00170	.00174	.00178	.00183	.00187	.00191	.00196	.00200
8.2	.00162	.00165	.00169	.00173	.00177	.00181	.00186	.00190	.00194	.00199	.00203
8.4	.00164	.00168	.00172	.00176	.00180	.00184	.00189	.00193	.00197	.00202	.00207
8.6	.00167	.00171	.00175	.00179	.00183	.00187	.00192	.00196	.00201	.00205	.00210
8.8	.00170	.00173	.00177	.00182	.00186	.00190	.00195	.00199	.00204	.00209	.00213
9.0	.00172	.00176	.00180	.00185	.00189	.00193	.00198	.00202	.00207	.00212	.00217
9.2	.00175	.00179	.00183	.00187	.00192	.00196	.00201	.00206	.00210	.00215	.00220
9.4	.00178	.00182	.00186	.00190	.00195	.00200	.00204	.00209	.00214	.00219	.00224
9.6	.00181	.00185	.00189	.00193	.00198	.00203	.00207	.00212	.00217	.00222	.00227
9.8	.00183	.00188	.00192	.00197	.00201	.00206	.00211	.00215	.00220	.00225	.00230
10.0	.00186	.00191	.00195	.00200	.00204	.00209	.00214	.00219	.00224	.00229	.00233
10.2	.00189	.00194	.00198	.00203	.00207	.00212	.00217	.00222	.00227	.00233	.00238
10.4	.00192	.00197	.00201	.00206	.00211	.00216	.00221	.00226	.00231	.00236	.00242
10.6	.00195	.00200	.00204	.00209	.00214	.00219	.00224	.00229	.00235	.00240	.00246
10.8	.00198	.00203	.00208	.00212	.00217	.00222	.00228	.00233	.00238	.00244	.00250
11.0	.00201	.00206	.00211	.00216	.00221	.00226	.00231	.00237	.00242	.00248	.00254
11.2	.00205	.00209	.00214	.00219	.00224	.00230	.00235	.00240	.00246	.00252	.00258
11.4	.00208	.00213	.00218	.00223	.00228	.00233	.00239	.00244	.00250	.00256	.00262
11.6	.00211	.00216	.00221	.00226	.00231	.00237	.00242	.00248	.00254	.00260	.00266
11.8	.00214	.00219	.00224	.00229	.00235	.00240	.00246	.00252	.00258	.00264	.00270
12.0	.00218	.00223	.00228	.00233	.00239	.00244	.00250	.00256	.00262	.00268	.00274
12.2	.00221	.00226	.00231	.00237	.00242	.00248	.00254	.00260	.00266	.00272	.00278
12.4	.00224	.00230	.00235	.00241	.00246	.00252	.00258	.00264	.00270	.00276	.00283
12.6	.00228	.00233	.00239	.00244	.00250	.00256	.00262	.00268	.00274	.00280	.00287
12.8	.00231	.00237	.00242	.00248	.00254	.00260	.00266	.00272	.00278	.00285	.00291
13.0	.00235	.00241	.00246	.00252	.00258	.00264	.00270	.00276	.00283	.00289	.00296
13.2	.00239	.00244	.00250	.00256	.00262	.00268	.00274	.00280	.00287	.00294	.00301
13.4	.00242	.00248	.00254	.00260	.00266	.00272	.00278	.00285	.00291	.00298	.00305
13.6	.00246	.00252	.00258	.00264	.00270	.00276	.00283	.00289	.00296	.00303	.00310
13.8	.00250	.00256	.00262	.00268	.00274	.00280	.00287	.00294	.00301	.00308	.00315
14.0	.00254	.00260	.00266	.00272	.00278	.00285	.00291	.00298	.00305	.00312	.00319

TABLE A-1 CONTINUED

TABLE PAGE 3

TEMP DEG C	5.00	5.01	5.02	5.03	5.04	5.05	5.06	5.07	5.08	5.09	5.10
14.0	.00254	.00260	.00266	.00272	.00278	.00285	.00291	.00298	.00305	.00312	.00319
14.2	.00258	.00264	.00270	.00276	.00282	.00289	.00296	.00303	.00310	.00317	.00324
14.4	.00262	.00268	.00274	.00280	.00287	.00294	.00300	.00307	.00314	.00321	.00329
14.6	.00266	.00272	.00278	.00285	.00291	.00298	.00305	.00312	.00319	.00326	.00333
14.8	.00270	.00276	.00282	.00289	.00296	.00303	.00310	.00317	.00324	.00331	.00339
15.0	.00274	.00280	.00287	.00293	.00300	.00307	.00314	.00322	.00329	.00337	.00345
15.2	.00278	.00284	.00291	.00298	.00305	.00312	.00319	.00327	.00334	.00342	.00350
15.4	.00282	.00289	.00295	.00302	.00309	.00317	.00324	.00332	.00339	.00347	.00355
15.6	.00286	.00293	.00300	.00307	.00314	.00321	.00329	.00337	.00344	.00352	.00361
15.8	.00291	.00298	.00305	.00312	.00319	.00326	.00333	.00342	.00350	.00358	.00366
16.0	.00295	.00302	.00309	.00316	.00324	.00331	.00339	.00347	.00355	.00363	.00372
16.2	.00300	.00307	.00314	.00321	.00329	.00336	.00344	.00352	.00360	.00369	.00377
16.4	.00304	.00311	.00319	.00326	.00334	.00341	.00349	.00357	.00366	.00374	.00383
16.6	.00309	.00316	.00323	.00331	.00339	.00346	.00355	.00363	.00371	.00380	.00389
16.8	.00313	.00321	.00328	.00336	.00344	.00352	.00360	.00368	.00377	.00386	.00395
17.0	.00318	.00326	.00333	.00341	.00349	.00357	.00365	.00374	.00383	.00391	.00401
17.2	.00323	.00330	.00338	.00346	.00354	.00362	.00371	.00379	.00388	.00397	.00407
17.4	.00328	.00335	.00343	.00351	.00359	.00368	.00376	.00385	.00394	.00403	.00413
17.6	.00333	.00340	.00348	.00356	.00365	.00373	.00382	.00391	.00400	.00409	.00419
17.8	.00338	.00346	.00354	.00362	.00370	.00379	.00388	.00397	.00406	.00415	.00425
18.0	.00343	.00351	.00359	.00367	.00376	.00385	.00393	.00403	.00412	.00422	.00431
18.2	.00348	.00356	.00364	.00373	.00381	.00390	.00399	.00409	.00418	.00428	.00438
18.4	.00353	.00361	.00370	.00378	.00387	.00396	.00405	.00415	.00424	.00434	.00444
18.6	.00358	.00367	.00375	.00384	.00393	.00402	.00411	.00421	.00431	.00441	.00451
18.8	.00364	.00372	.00381	.00390	.00399	.00408	.00417	.00427	.00437	.00447	.00458
19.0	.00369	.00378	.00386	.00395	.00405	.00414	.00424	.00434	.00444	.00454	.00465
19.2	.00374	.00383	.00392	.00401	.00411	.00420	.00430	.00440	.00450	.00461	.00471
19.4	.00380	.00389	.00398	.00407	.00417	.00426	.00436	.00446	.00457	.00467	.00478
19.6	.00386	.00395	.00404	.00413	.00423	.00433	.00443	.00453	.00464	.00474	.00485
19.8	.00391	.00400	.00410	.00419	.00429	.00439	.00449	.00460	.00470	.00481	.00493
20.0	.00397	.00406	.00416	.00425	.00435	.00446	.00456	.00467	.00477	.00489	.00500
20.2	.00403	.00412	.00422	.00432	.00442	.00452	.00463	.00473	.00484	.00496	.00507
20.4	.00409	.00418	.00428	.00438	.00448	.00459	.00469	.00480	.00492	.00503	.00515
20.6	.00415	.00425	.00434	.00445	.00455	.00465	.00476	.00487	.00499	.00510	.00522
20.8	.00421	.00431	.00441	.00451	.00462	.00472	.00483	.00495	.00506	.00518	.00530
21.0	.00427	.00437	.00447	.00458	.00468	.00479	.00490	.00502	.00513	.00525	.00538

TABLE A-1 CONTINUED

TABLE PAGE 4

TEMP DEG C	5.00	5.01	5.02	5.03	5.04	5.05	PH	5.06	5.07	5.08	5.09	5.10
21.0	.00427	.00437	.00447	.00458	.00468	.00479	.00490	.00498	.00502	.00513	.00525	.00538
21.2	.00433	.00443	.00454	.00464	.00475	.00486	.00498	.00505	.00509	.00521	.00533	.00546
21.4	.00440	.00450	.00460	.00471	.00482	.00493	.00505	.00512	.00517	.00529	.00541	.00553
21.6	.00446	.00456	.00467	.00478	.00489	.00500	.00512	.00520	.00524	.00536	.00549	.00562
21.8	.00453	.00463	.00474	.00485	.00496	.00508	.00520	.00527	.00532	.00544	.00557	.00570
22.0	.00459	.00470	.00481	.00492	.00503	.00515	.00527	.00535	.00539	.00552	.00565	.00578
22.2	.00466	.00477	.00488	.00499	.00511	.00523	.00535	.00543	.00547	.00560	.00573	.00586
22.4	.00473	.00484	.00495	.00506	.00518	.00530	.00543	.00551	.00555	.00568	.00581	.00595
22.6	.00479	.00491	.00502	.00514	.00526	.00538	.00550	.00558	.00563	.00576	.00590	.00604
22.8	.00486	.00498	.00509	.00521	.00533	.00546	.00558	.00566	.00571	.00585	.00599	.00612
23.0	.00493	.00505	.00517	.00529	.00541	.00554	.00566	.00574	.00580	.00593	.00607	.00621
23.2	.00500	.00512	.00524	.00536	.00549	.00562	.00575	.00583	.00588	.00602	.00616	.00630
23.4	.00508	.00519	.00532	.00544	.00557	.00570	.00583	.00591	.00596	.00610	.00625	.00639
23.6	.00515	.00527	.00539	.00552	.00565	.00578	.00590	.00600	.00605	.00619	.00634	.00648
23.8	.00522	.00535	.00547	.00560	.00573	.00586	.00600	.00614	.00623	.00637	.00652	.00667
24.0	.00530	.00542	.00555	.00568	.00581	.00594	.00608	.00622	.00631	.00646	.00661	.00677
24.2	.00537	.00550	.00563	.00576	.00589	.00603	.00617	.00631	.00640	.00655	.00671	.00686
24.4	.00545	.00558	.00571	.00584	.00598	.00612	.00626	.00640	.00650	.00665	.00680	.00696
24.6	.00553	.00566	.00579	.00592	.00606	.00620	.00635	.00650	.00659	.00674	.00690	.00706
24.8	.00561	.00574	.00587	.00601	.00615	.00629	.00644	.00659	.00668	.00684	.00700	.00716
25.0	.00569	.00582	.00596	.00609	.00624	.00638	.00653	.00668	.00678	.00694	.00710	.00727
25.2	.00577	.00590	.00604	.00618	.00633	.00647	.00662	.00677	.00687	.00703	.00720	.00737
25.4	.00585	.00599	.00613	.00627	.00642	.00656	.00672	.00687	.00697	.00713	.00730	.00747
25.6	.00593	.00607	.00621	.00636	.00651	.00666	.00681	.00697	.00707	.00723	.00740	.00758
25.8	.00602	.00616	.00630	.00645	.00660	.00675	.00691	.00707	.00717	.00734	.00751	.00768
26.0	.00610	.00625	.00639	.00654	.00669	.00685	.00701	.00717	.00727	.00744	.00761	.00779
26.2	.00619	.00633	.00648	.00663	.00679	.00694	.00711	.00727	.00737	.00755	.00772	.00790
26.4	.00628	.00642	.00657	.00673	.00688	.00704	.00721	.00737	.00748	.00765	.00783	.00801
26.6	.00636	.00651	.00666	.00682	.00698	.00714	.00731	.00748	.00759	.00776	.00794	.00813
26.8	.00645	.00660	.00676	.00692	.00708	.00724	.00741	.00758	.00769	.00787	.00805	.00824
27.0	.00655	.00670	.00685	.00701	.00718	.00734	.00751	.00769	.00780	.00798	.00817	.00836
27.2	.00664	.00679	.00695	.00711	.00728	.00745	.00762	.00780	.00791	.00809	.00828	.00847
27.4	.00673	.00689	.00705	.00721	.00738	.00755	.00773	.00791	.00802	.00820	.00840	.00859
27.6	.00682	.00698	.00715	.00731	.00748	.00766	.00784	.00802	.00813	.00832	.00851	.00871
27.8	.00692	.00708	.00725	.00741	.00759	.00776	.00794	.00813	.00824	.00844	.00863	.00883
28.0	.00702	.00718	.00735	.00752	.00769	.00787	.00806	.00824	.00836	.00856	.00875	.00895

TABLE A-1 CONTINUED

TABLE PAGE 5

TEMP DEG C	5.00	5.01	5.02	5.03	5.04	5.05 PH	5.06	5.07	5.08	5.09	5.10
28.0	.00702	.00718	.00735	.00752	.00769	.00787	.00806	.00824	.00844	.00863	.00883
28.2	.00711	.00728	.00745	.00762	.00780	.00798	.00817	.00836	.00855	.00875	.00896
28.4	.00721	.00738	.00755	.00773	.00791	.00809	.00828	.00847	.00867	.00887	.00908
28.6	.00731	.00748	.00766	.00784	.00802	.00821	.00840	.00859	.00879	.00899	.00921
28.8	.00741	.00759	.00776	.00795	.00813	.00832	.00851	.00871	.00891	.00912	.00933
29.0	.00752	.00769	.00787	.00806	.00824	.00843	.00863	.00883	.00904	.00925	.00946
29.2	.00762	.00780	.00798	.00817	.00836	.00855	.00875	.00895	.00916	.00938	.00960
29.4	.00773	.00791	.00809	.00828	.00847	.00867	.00887	.00908	.00929	.00951	.00973
29.6	.00783	.00802	.00820	.00839	.00859	.00879	.00899	.00920	.00942	.00964	.00986
29.8	.00794	.00813	.00832	.00851	.00871	.00891	.00912	.00933	.00955	.00977	.01000
30.0	.00805	.00824	.00843	.00863	.00883	.00903	.00924	.00946	.00968	.00991	.01014
30.2	.00816	.00835	.00855	.00875	.00895	.00916	.00937	.00959	.00981	.01004	.01028
30.4	.00827	.00847	.00866	.00887	.00907	.00928	.00950	.00972	.00995	.01018	.01042
30.6	.00838	.00858	.00878	.00899	.00920	.00941	.00963	.00985	.01008	.01032	.01056
30.8	.00850	.00870	.00890	.00911	.00932	.00954	.00976	.00999	.01022	.01046	.01070
31.0	.00862	.00882	.00903	.00924	.00945	.00967	.00990	.01013	.01036	.01060	.01085
31.2	.00874	.00894	.00915	.00936	.00958	.00980	.01003	.01026	.01050	.01075	.01100
31.4	.00886	.00906	.00927	.00947	.00971	.00994	.01017	.01040	.01065	.01090	.01115
31.6	.00898	.00919	.00940	.00962	.00984	.01007	.01031	.01055	.01079	.01104	.01130
31.8	.00910	.00931	.00953	.00975	.00998	.01021	.01045	.01069	.01094	.01119	.01145
32.0	.00922	.00944	.00966	.00988	.01011	.01035	.01059	.01084	.01109	.01135	.01161
32.2	.00935	.00957	.00979	.01002	.01025	.01049	.01073	.01098	.01124	.01150	.01177
32.4	.00947	.00970	.00992	.01015	.01039	.01063	.01088	.01113	.01139	.01166	.01193
32.6	.00960	.00983	.01006	.01029	.01053	.01077	.01103	.01128	.01155	.01181	.01209
32.8	.00973	.00996	.01019	.01043	.01067	.01092	.01117	.01143	.01168	.01197	.01224
33.0	.00986	.01009	.01033	.01057	.01082	.01107	.01133	.01159	.01186	.01214	.01242
33.2	.01000	.01023	.01047	.01071	.01096	.01122	.01148	.01175	.01202	.01230	.01259
33.4	.01011	.01035	.01060	.01084	.01109	.01135	.01161	.01189	.01217	.01245	.01274
33.6	.01023	.01047	.01071	.01096	.01122	.01148	.01175	.01202	.01229	.01257	.01285
33.8	.01035	.01059	.01084	.01109	.01135	.01161	.01189	.01217	.01245	.01274	.01303
34.0	.01047	.01071	.01096	.01122	.01148	.01175	.01202	.01229	.01257	.01285	.01313
34.2	.01060	.01084	.01109	.01135	.01161	.01189	.01217	.01245	.01274	.01303	.01332
34.4	.01073	.01096	.01122	.01148	.01175	.01202	.01229	.01257	.01285	.01313	.01342
34.6	.01086	.01109	.01135	.01161	.01189	.01217	.01245	.01274	.01303	.01332	.01361
34.8	.01098	.01122	.01148	.01175	.01202	.01229	.01257	.01285	.01313	.01342	.01371
35.0	.01111	.01135	.01161	.01189	.01217	.01245	.01274	.01303	.01332	.01361	.01390

TABLE A-1 CONTINUED

TABLE PAGE 6

TEMP DEG C	5.00	5.01	5.02	5.03	5.04	PH 5.05	5.06	5.07	5.08	5.09	5.10
35.0	.0113	.0115	.0118	.0120	.0122	.0124	.0126	.0128	.0130	.0132	.0134
35.2	.0114	.0117	.0120	.0122	.0124	.0126	.0128	.0130	.0132	.0134	.0136
35.4	.0116	.0118	.0120	.0122	.0124	.0126	.0128	.0130	.0132	.0134	.0136
35.6	.0117	.0120	.0122	.0124	.0126	.0128	.0130	.0132	.0134	.0136	.0138
35.8	.0119	.0122	.0124	.0126	.0128	.0130	.0132	.0134	.0136	.0138	.0140
36.0	.0120	.0123	.0125	.0128	.0130	.0132	.0135	.0137	.0139	.0141	.0143
36.2	.0122	.0125	.0128	.0130	.0132	.0135	.0137	.0139	.0141	.0143	.0145
36.4	.0124	.0128	.0130	.0132	.0135	.0137	.0139	.0141	.0143	.0145	.0147
36.6	.0125	.0128	.0130	.0132	.0135	.0137	.0139	.0141	.0143	.0145	.0147
36.8	.0127	.0130	.0132	.0135	.0137	.0139	.0141	.0143	.0145	.0147	.0149
37.0	.0129	.0132	.0135	.0137	.0140	.0142	.0144	.0146	.0148	.0150	.0152
37.2	.0130	.0133	.0136	.0138	.0140	.0142	.0144	.0146	.0148	.0150	.0152
37.4	.0132	.0135	.0138	.0140	.0142	.0144	.0146	.0148	.0150	.0152	.0154
37.6	.0134	.0137	.0140	.0142	.0144	.0146	.0148	.0150	.0152	.0154	.0156
37.8	.0135	.0139	.0142	.0144	.0146	.0148	.0150	.0152	.0154	.0156	.0158
38.0	.0137	.0140	.0144	.0146	.0148	.0150	.0152	.0154	.0156	.0158	.0160
38.2	.0139	.0142	.0146	.0148	.0150	.0152	.0154	.0156	.0158	.0160	.0162
38.4	.0141	.0144	.0148	.0150	.0152	.0154	.0156	.0158	.0160	.0162	.0164
38.6	.0143	.0146	.0150	.0152	.0154	.0156	.0158	.0160	.0162	.0164	.0166
38.8	.0144	.0148	.0151	.0153	.0155	.0157	.0159	.0161	.0163	.0165	.0167
39.0	.0146	.0150	.0153	.0155	.0157	.0159	.0161	.0163	.0165	.0167	.0169
39.2	.0148	.0152	.0155	.0157	.0159	.0161	.0163	.0165	.0167	.0169	.0171
39.4	.0150	.0154	.0157	.0159	.0161	.0163	.0165	.0167	.0169	.0171	.0173
39.6	.0152	.0156	.0159	.0161	.0163	.0165	.0167	.0169	.0171	.0173	.0175
39.8	.0154	.0158	.0161	.0163	.0165	.0167	.0169	.0171	.0173	.0175	.0177
40.0	.0156	.0160	.0163	.0165	.0167	.0169	.0171	.0173	.0175	.0177	.0179

TABLE A-1 CONTINUED

TEMP DEG C	5.10	5.11	5.12	5.13	5.14	5.15	5.16	5.17	5.18	5.19	5.20
0	.00104	.00107	.00109	.00112	.00114	.00117	.00120	.00122	.00125	.00128	.00131
.2	.00106	.00108	.00111	.00113	.00116	.00119	.00122	.00124	.00127	.00130	.00133
.4	.00108	.00110	.00113	.00115	.00118	.00121	.00124	.00126	.00129	.00132	.00136
.6	.00109	.00112	.00115	.00117	.00120	.00123	.00126	.00128	.00131	.00134	.00138
.8	.00111	.00114	.00117	.00119	.00122	.00125	.00128	.00130	.00133	.00136	.00140
1.0	.00113	.00116	.00119	.00121	.00124	.00127	.00130	.00133	.00136	.00139	.00143
1.2	.00115	.00118	.00121	.00123	.00126	.00129	.00132	.00135	.00138	.00141	.00145
1.4	.00117	.00120	.00123	.00125	.00128	.00131	.00134	.00137	.00140	.00143	.00147
1.6	.00119	.00122	.00125	.00127	.00130	.00133	.00136	.00139	.00142	.00145	.00149
1.8	.00121	.00124	.00127	.00129	.00132	.00135	.00138	.00141	.00144	.00147	.00151
2.0	.00123	.00126	.00129	.00132	.00135	.00138	.00141	.00144	.00147	.00150	.00154
2.2	.00125	.00128	.00131	.00134	.00137	.00140	.00143	.00146	.00149	.00152	.00156
2.4	.00127	.00130	.00133	.00136	.00139	.00142	.00145	.00148	.00151	.00154	.00158
2.6	.00129	.00132	.00135	.00138	.00141	.00144	.00147	.00150	.00153	.00156	.00160
2.8	.00131	.00134	.00137	.00140	.00143	.00146	.00149	.00152	.00155	.00158	.00162
3.0	.00133	.00136	.00139	.00142	.00145	.00148	.00151	.00154	.00157	.00160	.00164
3.2	.00135	.00138	.00141	.00144	.00147	.00150	.00153	.00156	.00159	.00162	.00166
3.4	.00137	.00140	.00143	.00146	.00149	.00152	.00155	.00158	.00161	.00164	.00168
3.6	.00139	.00142	.00145	.00148	.00151	.00154	.00157	.00160	.00163	.00166	.00170
3.8	.00141	.00144	.00147	.00150	.00153	.00156	.00159	.00162	.00165	.00168	.00172
4.0	.00143	.00146	.00149	.00152	.00155	.00158	.00161	.00164	.00167	.00170	.00174
4.2	.00145	.00148	.00151	.00154	.00157	.00160	.00163	.00166	.00169	.00172	.00176
4.4	.00147	.00150	.00153	.00156	.00159	.00162	.00165	.00168	.00171	.00174	.00178
4.6	.00149	.00152	.00155	.00158	.00161	.00164	.00167	.00170	.00173	.00176	.00180
4.8	.00151	.00154	.00157	.00160	.00163	.00166	.00169	.00172	.00175	.00178	.00182
5.0	.00153	.00156	.00159	.00162	.00165	.00168	.00171	.00174	.00177	.00180	.00184
5.2	.00155	.00158	.00161	.00164	.00167	.00170	.00173	.00176	.00179	.00182	.00186
5.4	.00157	.00160	.00163	.00166	.00169	.00172	.00175	.00178	.00181	.00184	.00188
5.6	.00159	.00162	.00165	.00168	.00171	.00174	.00177	.00180	.00183	.00186	.00190
5.8	.00161	.00164	.00167	.00170	.00173	.00176	.00179	.00182	.00185	.00188	.00192
6.0	.00163	.00166	.00169	.00172	.00175	.00178	.00181	.00184	.00187	.00190	.00194
6.2	.00165	.00168	.00171	.00174	.00177	.00180	.00183	.00186	.00189	.00192	.00196
6.4	.00167	.00170	.00173	.00176	.00179	.00182	.00185	.00188	.00191	.00194	.00198
6.6	.00169	.00172	.00175	.00178	.00181	.00184	.00187	.00190	.00193	.00196	.00200
6.8	.00171	.00174	.00177	.00180	.00183	.00186	.00189	.00192	.00195	.00198	.00202
7.0	.00173	.00176	.00179	.00182	.00185	.00188	.00191	.00194	.00197	.00200	.00204
7.2	.00175	.00178	.00181	.00184	.00187	.00190	.00193	.00196	.00199	.00202	.00206
7.4	.00177	.00180	.00183	.00186	.00189	.00192	.00195	.00198	.00201	.00204	.00208
7.6	.00179	.00182	.00185	.00188	.00191	.00194	.00197	.00200	.00203	.00206	.00210
7.8	.00181	.00184	.00187	.00190	.00193	.00196	.00199	.00202	.00205	.00208	.00212
8.0	.00183	.00186	.00189	.00192	.00195	.00198	.00201	.00204	.00207	.00210	.00214
8.2	.00185	.00188	.00191	.00194	.00197	.00200	.00203	.00206	.00209	.00212	.00216
8.4	.00187	.00190	.00193	.00196	.00199	.00202	.00205	.00208	.00211	.00214	.00218
8.6	.00189	.00192	.00195	.00198	.00201	.00204	.00207	.00210	.00213	.00216	.00220
8.8	.00191	.00194	.00197	.00200	.00203	.00206	.00209	.00212	.00215	.00218	.00222
9.0	.00193	.00196	.00199	.00202	.00205	.00208	.00211	.00214	.00217	.00220	.00224
9.2	.00195	.00198	.00201	.00204	.00207	.00210	.00213	.00216	.00219	.00222	.00226
9.4	.00197	.00200	.00203	.00206	.00209	.00212	.00215	.00218	.00221	.00224	.00228
9.6	.00199	.00202	.00205	.00208	.00211	.00214	.00217	.00220	.00223	.00226	.00230
9.8	.00201	.00204	.00207	.00210	.00213	.00216	.00219	.00222	.00225	.00228	.00232
10.0	.00203	.00206	.00209	.00212	.00215	.00218	.00221	.00224	.00227	.00230	.00234

TABLE A-1 CONTINUED

TABLE PAGE 8

TEMP DEG C	5.10	5.11	5.12	5.13	5.14	5.15 PH	5.16	5.17	5.18	5.19	5.20
7.0	.00185	.00189	.00194	.00198	.00203	.00207	.00212	.00217	.00222	.00228	.00233
7.2	.00188	.00192	.00197	.00201	.00206	.00211	.00216	.00221	.00226	.00231	.00237
7.4	.00191	.00195	.00200	.00205	.00209	.00214	.00219	.00224	.00229	.00235	.00240
7.6	.00194	.00199	.00203	.00208	.00213	.00218	.00223	.00228	.00233	.00239	.00244
7.8	.00197	.00202	.00206	.00211	.00216	.00221	.00226	.00231	.00237	.00243	.00248
8.0	.00200	.00205	.00210	.00215	.00220	.00225	.00230	.00235	.00241	.00246	.00252
8.2	.00203	.00208	.00213	.00218	.00223	.00228	.00234	.00239	.00245	.00250	.00256
8.4	.00207	.00212	.00216	.00221	.00226	.00231	.00237	.00242	.00248	.00254	.00260
8.6	.00210	.00215	.00220	.00225	.00230	.00235	.00241	.00246	.00252	.00258	.00264
8.8	.00213	.00218	.00223	.00228	.00233	.00238	.00244	.00249	.00255	.00261	.00267
9.0	.00217	.00222	.00227	.00232	.00237	.00243	.00248	.00254	.00260	.00266	.00273
9.2	.00220	.00225	.00231	.00236	.00241	.00247	.00253	.00259	.00265	.00271	.00277
9.4	.00224	.00229	.00234	.00240	.00245	.00251	.00257	.00263	.00269	.00275	.00282
9.6	.00227	.00233	.00238	.00244	.00249	.00255	.00261	.00267	.00273	.00280	.00286
9.8	.00231	.00236	.00242	.00247	.00253	.00259	.00265	.00271	.00278	.00284	.00291
10.0	.00235	.00240	.00246	.00251	.00257	.00263	.00269	.00276	.00282	.00289	.00295
10.2	.00238	.00244	.00249	.00255	.00261	.00267	.00274	.00280	.00286	.00293	.00300
10.4	.00242	.00248	.00253	.00259	.00265	.00271	.00278	.00284	.00291	.00298	.00305
10.6	.00246	.00252	.00257	.00263	.00269	.00276	.00282	.00289	.00295	.00302	.00309
10.8	.00250	.00255	.00261	.00267	.00274	.00280	.00287	.00293	.00300	.00307	.00314
11.0	.00254	.00259	.00266	.00272	.00278	.00285	.00291	.00298	.00305	.00312	.00319
11.2	.00258	.00264	.00270	.00276	.00282	.00289	.00296	.00303	.00310	.00317	.00324
11.4	.00262	.00268	.00274	.00280	.00287	.00293	.00300	.00307	.00314	.00321	.00329
11.6	.00266	.00272	.00278	.00285	.00291	.00298	.00305	.00312	.00319	.00327	.00334
11.8	.00270	.00276	.00283	.00289	.00296	.00303	.00310	.00317	.00324	.00332	.00340
12.0	.00274	.00280	.00287	.00294	.00300	.00307	.00315	.00322	.00329	.00337	.00345
12.2	.00278	.00285	.00291	.00298	.00305	.00312	.00319	.00327	.00335	.00343	.00350
12.4	.00283	.00289	.00296	.00303	.00310	.00317	.00324	.00332	.00340	.00348	.00356
12.6	.00287	.00294	.00301	.00308	.00315	.00322	.00329	.00337	.00345	.00353	.00361
12.8	.00291	.00298	.00305	.00312	.00320	.00327	.00335	.00342	.00350	.00358	.00367
13.0	.00296	.00303	.00310	.00317	.00324	.00332	.00340	.00348	.00356	.00364	.00373
13.2	.00301	.00308	.00315	.00322	.00329	.00337	.00345	.00353	.00361	.00370	.00378
13.4	.00305	.00312	.00320	.00327	.00335	.00342	.00350	.00359	.00367	.00375	.00384
13.6	.00310	.00317	.00324	.00332	.00340	.00348	.00356	.00364	.00373	.00381	.00390
13.8	.00315	.00322	.00329	.00337	.00345	.00353	.00361	.00370	.00378	.00387	.00396
14.0	.00319	.00327	.00335	.00342	.00350	.00358	.00367	.00375	.00384	.00393	.00402

TABLE A-1 CONTINUED

TEMP DEG C	5.10	5.11	5.12	5.13	5.14	5.15	5.16	5.17	5.18	5.19	5.20
14.0	.00319	.00327	.00335	.00342	.00350	.00358	.00367	.00375	.00384	.00393	.00402
14.2	.00329	.00337	.00345	.00353	.00361	.00369	.00378	.00387	.00396	.00405	.00414
14.4	.00334	.00342	.00350	.00358	.00367	.00375	.00384	.00393	.00402	.00411	.00420
14.6	.00339	.00347	.00355	.00364	.00372	.00381	.00390	.00399	.00408	.00417	.00426
15.0	.00345	.00353	.00361	.00369	.00378	.00387	.00396	.00405	.00414	.00423	.00432
15.2	.00350	.00358	.00366	.00375	.00384	.00393	.00402	.00411	.00420	.00429	.00438
15.4	.00355	.00363	.00372	.00381	.00390	.00399	.00408	.00417	.00426	.00435	.00444
15.6	.00361	.00369	.00378	.00387	.00395	.00405	.00414	.00423	.00432	.00441	.00450
15.8	.00366	.00375	.00383	.00392	.00401	.00411	.00420	.00429	.00438	.00447	.00456
16.0	.00372	.00380	.00389	.00398	.00407	.00417	.00427	.00437	.00446	.00455	.00464
16.2	.00377	.00386	.00395	.00404	.00414	.00423	.00433	.00443	.00452	.00461	.00471
16.4	.00383	.00392	.00401	.00410	.00420	.00430	.00440	.00450	.00460	.00470	.00480
16.6	.00389	.00398	.00407	.00417	.00426	.00436	.00446	.00456	.00466	.00476	.00486
16.8	.00395	.00404	.00413	.00423	.00433	.00443	.00453	.00463	.00473	.00483	.00493
17.0	.00401	.00410	.00419	.00429	.00439	.00449	.00459	.00469	.00479	.00489	.00499
17.2	.00407	.00416	.00426	.00436	.00446	.00456	.00467	.00477	.00487	.00497	.00507
17.4	.00413	.00422	.00432	.00442	.00452	.00463	.00474	.00484	.00494	.00504	.00514
17.6	.00419	.00429	.00439	.00449	.00459	.00470	.00481	.00491	.00501	.00511	.00521
17.8	.00425	.00435	.00445	.00456	.00467	.00477	.00488	.00499	.00509	.00519	.00529
18.0	.00431	.00442	.00452	.00462	.00473	.00484	.00495	.00505	.00515	.00525	.00535
18.2	.00438	.00448	.00459	.00469	.00480	.00491	.00501	.00512	.00522	.00532	.00542
18.4	.00444	.00455	.00465	.00476	.00487	.00499	.00510	.00520	.00530	.00540	.00550
18.6	.00451	.00462	.00472	.00483	.00494	.00506	.00517	.00527	.00537	.00547	.00557
18.8	.00458	.00468	.00479	.00490	.00501	.00512	.00523	.00533	.00543	.00553	.00563
19.0	.00465	.00475	.00486	.00498	.00509	.00521	.00531	.00541	.00551	.00561	.00571
19.2	.00471	.00482	.00494	.00505	.00517	.00529	.00540	.00550	.00560	.00570	.00580
19.4	.00478	.00489	.00501	.00513	.00525	.00537	.00548	.00558	.00568	.00578	.00589
19.6	.00485	.00497	.00508	.00520	.00532	.00545	.00556	.00567	.00577	.00587	.00597
19.8	.00493	.00504	.00516	.00528	.00540	.00553	.00564	.00575	.00585	.00595	.00605
20.0	.00500	.00512	.00523	.00536	.00548	.00561	.00572	.00582	.00592	.00602	.00612
20.2	.00507	.00519	.00531	.00544	.00556	.00569	.00580	.00590	.00600	.00610	.00620
20.4	.00515	.00527	.00539	.00551	.00563	.00577	.00588	.00598	.00608	.00618	.00628
20.6	.00522	.00534	.00546	.00558	.00570	.00583	.00594	.00604	.00614	.00624	.00634
20.8	.00530	.00542	.00554	.00566	.00578	.00591	.00602	.00612	.00622	.00632	.00642
21.0	.00538	.00550	.00562	.00574	.00586	.00599	.00610	.00620	.00630	.00640	.00650

TABLE A-1 CONTINUED

TEMP DEG C	5.10	5.11	5.12	5.13	5.14	5.15	5.16	5.17	5.18	5.19	5.20
21.0	.00538	.00550	.00563	.00576	.00590	.00603	.00617	.00632	.00646	.00661	.00677
21.2	.00546	.00558	.00571	.00585	.00598	.00612	.00626	.00641	.00656	.00671	.00687
21.4	.00553	.00566	.00580	.00593	.00607	.00621	.00635	.00650	.00665	.00681	.00697
21.6	.00562	.00575	.00588	.00602	.00616	.00630	.00645	.00660	.00675	.00691	.00707
21.8	.00570	.00583	.00597	.00610	.00625	.00639	.00654	.00669	.00685	.00701	.00717
22.0	.00578	.00591	.00605	.00619	.00634	.00649	.00664	.00679	.00695	.00711	.00728
22.2	.00586	.00600	.00614	.00628	.00643	.00658	.00673	.00689	.00705	.00721	.00738
22.4	.00595	.00609	.00623	.00637	.00652	.00667	.00683	.00699	.00715	.00732	.00749
22.6	.00604	.00618	.00632	.00647	.00662	.00677	.00693	.00709	.00726	.00743	.00760
22.8	.00612	.00626	.00641	.00656	.00671	.00687	.00703	.00719	.00736	.00753	.00770
23.0	.00621	.00636	.00650	.00665	.00681	.00697	.00713	.00730	.00747	.00764	.00782
23.2	.00630	.00645	.00660	.00675	.00691	.00707	.00723	.00740	.00757	.00775	.00793
23.4	.00639	.00654	.00669	.00685	.00701	.00717	.00734	.00751	.00768	.00786	.00805
23.6	.00648	.00663	.00679	.00695	.00711	.00727	.00744	.00762	.00779	.00799	.00818
23.8	.00658	.00673	.00689	.00705	.00721	.00738	.00755	.00773	.00791	.00809	.00828
24.0	.00667	.00683	.00698	.00715	.00731	.00748	.00766	.00784	.00802	.00821	.00840
24.2	.00677	.00692	.00708	.00725	.00742	.00759	.00777	.00795	.00813	.00832	.00852
24.4	.00686	.00702	.00719	.00735	.00752	.00770	.00788	.00806	.00825	.00844	.00864
24.6	.00696	.00712	.00729	.00746	.00763	.00781	.00799	.00818	.00837	.00856	.00876
24.8	.00706	.00722	.00739	.00756	.00774	.00792	.00811	.00829	.00849	.00869	.00889
25.0	.00716	.00733	.00750	.00767	.00785	.00803	.00822	.00841	.00861	.00881	.00901
25.2	.00726	.00743	.00760	.00778	.00796	.00815	.00834	.00853	.00873	.00893	.00914
25.4	.00737	.00754	.00771	.00789	.00808	.00826	.00846	.00865	.00886	.00906	.00927
25.6	.00747	.00764	.00782	.00800	.00819	.00838	.00858	.00878	.00898	.00919	.00940
25.8	.00758	.00775	.00793	.00812	.00831	.00850	.00870	.00890	.00911	.00932	.00954
26.0	.00768	.00786	.00805	.00823	.00842	.00862	.00882	.00903	.00924	.00945	.00967
26.2	.00779	.00797	.00816	.00835	.00854	.00874	.00895	.00915	.00937	.00959	.00981
26.4	.00790	.00809	.00827	.00847	.00866	.00887	.00907	.00928	.00950	.00972	.00995
26.6	.00801	.00820	.00839	.00859	.00879	.00899	.00920	.00941	.00963	.00986	.01009
26.8	.00813	.00833	.00851	.00871	.00891	.00912	.00933	.00955	.00977	.01000	.01023
27.0	.00824	.00844	.00863	.00883	.00903	.00925	.00946	.00968	.00991	.01014	.01037
27.2	.00836	.00855	.00875	.00895	.00916	.00937	.00959	.00982	.01005	.01028	.01052
27.4	.00847	.00867	.00887	.00908	.00929	.00951	.00973	.00995	.01019	.01042	.01067
27.6	.00859	.00879	.00900	.00921	.00942	.00964	.00986	.01008	.01033	.01057	.01082
27.8	.00871	.00891	.00912	.00933	.00955	.00977	.01000	.01023	.01047	.01072	.01097
28.0	.00883	.00904	.00925	.00946	.00968	.00991	.01014	.01038	.01062	.01087	.01112

TABLE A-1 CONTINUED

TEMP DEC C	5.10	5.11	5.12	5.13	5.14	5.15 PM	5.16	5.17	5.18	5.19	5.20
28.0	00883	00904	00925	00946	00968	00991	01024	01048	01077	01107	01137
28.2	00896	00916	00936	00957	00982	01005	01029	01053	01077	01101	01125
28.4	00908	00929	00951	00977	00996	01019	01043	01067	01092	01116	01140
28.6	00921	00942	00964	00987	01009	01033	01057	01082	01107	01132	01157
28.8	00933	00955	00977	01000	01024	01047	01071	01097	01122	01147	01171
29.0	00946	00968	00991	01014	01038	01062	01087	01112	01138	01164	01191
29.2	00960	00982	01005	01028	01052	01077	01102	01127	01154	01180	01205
29.4	00973	00995	01019	01042	01067	01091	01116	01141	01166	01191	01216
29.6	00986	01009	01033	01057	01081	01105	01129	01153	01177	01201	01225
29.8	01000	01023	01047	01071	01096	01120	01144	01168	01192	01216	01240
30.0	01011	01034	01058	01082	01106	01130	01154	01178	01202	01226	01250
30.2	0103	0105	0108	0110	0113	0115	0118	0121	0124	0126	0129
30.4	0106	0108	0111	0113	0116	0118	0121	0123	0126	0128	0131
30.6	0107	0110	0112	0115	0117	0120	0123	0125	0128	0130	0133
30.8	0109	0111	0114	0116	0119	0122	0125	0127	0130	0133	0135
31.0	0110	0113	0115	0118	0121	0123	0126	0129	0132	0135	0137
31.2	0111	0114	0117	0120	0123	0125	0128	0131	0134	0137	0140
31.4	0113	0116	0119	0122	0125	0127	0130	0133	0136	0139	0142
31.6	0115	0118	0121	0124	0127	0129	0132	0135	0138	0141	0144
31.8	0116	0119	0122	0125	0128	0130	0133	0136	0139	0142	0145
32.0	0118	0120	0123	0126	0129	0132	0135	0138	0141	0144	0147
32.2	0119	0122	0125	0128	0131	0134	0137	0140	0143	0146	0149
32.4	0121	0124	0127	0130	0133	0136	0139	0142	0145	0148	0151
32.6	0123	0126	0129	0132	0135	0138	0141	0144	0147	0150	0153
32.8	0124	0127	0130	0133	0136	0139	0142	0145	0148	0151	0154
33.0	0126	0129	0132	0135	0138	0141	0144	0147	0150	0153	0156
33.2	0128	0131	0134	0137	0140	0143	0146	0149	0152	0155	0158
33.4	0129	0132	0135	0138	0141	0144	0147	0150	0153	0156	0159
33.6	0131	0134	0137	0140	0143	0146	0149	0152	0155	0158	0161
33.8	0133	0136	0139	0142	0145	0148	0151	0154	0157	0160	0163
34.0	0135	0138	0141	0144	0147	0150	0153	0156	0159	0162	0165
34.2	0136	0140	0143	0146	0149	0152	0155	0158	0161	0164	0167
34.4	0138	0141	0144	0147	0150	0153	0156	0159	0162	0165	0168
34.6	0139	0143	0145	0148	0151	0154	0157	0160	0163	0166	0169
34.8	0140	0144	0147	0150	0153	0156	0159	0162	0165	0168	0171
35.0	0142	0145	0149	0152	0155	0158	0161	0164	0167	0170	0173

TABLE A-1 CONTINUED

TABLE PAGE 12

TEMP DEG C	5.10	5.11	5.12	5.13	5.14	PH 5.15	5.16	5.17	5.18	5.19	5.20
35.0	.0142	.0145	.0149	.0154	.0156	.0159	.0163	.0167	.0171	.0175	.0179
35.2	.0144	.0147	.0151	.0156	.0158	.0161	.0165	.0169	.0173	.0177	.0181
35.4	.0146	.0149	.0153	.0158	.0160	.0163	.0167	.0171	.0175	.0179	.0183
35.6	.0148	.0151	.0155	.0160	.0162	.0165	.0169	.0173	.0177	.0182	.0186
35.8	.0150	.0153	.0157	.0162	.0164	.0168	.0172	.0176	.0180	.0185	.0189
36.0	.0152	.0155	.0159	.0164	.0166	.0170	.0174	.0178	.0182	.0186	.0191
36.2	.0154	.0157	.0161	.0165	.0168	.0172	.0176	.0180	.0185	.0189	.0193
36.4	.0156	.0159	.0163	.0167	.0171	.0175	.0179	.0183	.0187	.0191	.0196
36.6	.0158	.0161	.0165	.0169	.0173	.0177	.0181	.0185	.0189	.0194	.0198
36.8	.0160	.0163	.0167	.0171	.0175	.0179	.0183	.0187	.0192	.0196	.0201
37.0	.0162	.0166	.0169	.0173	.0177	.0182	.0186	.0190	.0195	.0199	.0204
37.2	.0164	.0168	.0172	.0176	.0180	.0184	.0188	.0193	.0197	.0202	.0206
37.4	.0166	.0170	.0174	.0178	.0182	.0186	.0191	.0195	.0200	.0204	.0209
37.6	.0168	.0172	.0176	.0180	.0184	.0189	.0193	.0198	.0203	.0207	.0212
37.8	.0170	.0174	.0178	.0183	.0187	.0191	.0196	.0200	.0205	.0210	.0215
38.0	.0173	.0177	.0181	.0185	.0189	.0194	.0198	.0203	.0208	.0212	.0217
38.2	.0175	.0179	.0183	.0187	.0192	.0196	.0201	.0206	.0211	.0215	.0220
38.4	.0177	.0181	.0186	.0190	.0194	.0199	.0203	.0208	.0213	.0217	.0223
38.6	.0180	.0184	.0188	.0192	.0197	.0201	.0206	.0211	.0216	.0221	.0226
38.8	.0182	.0186	.0190	.0195	.0199	.0204	.0209	.0214	.0219	.0224	.0229
39.0	.0184	.0189	.0193	.0197	.0202	.0207	.0212	.0216	.0221	.0227	.0232
39.2	.0187	.0191	.0195	.0200	.0205	.0209	.0214	.0219	.0224	.0230	.0235
39.4	.0189	.0193	.0198	.0203	.0207	.0212	.0217	.0222	.0227	.0233	.0238
39.6	.0191	.0196	.0200	.0205	.0210	.0215	.0220	.0225	.0230	.0236	.0241
40.0	.0196	.0201	.0206	.0210	.0215	.0220	.0226	.0231	.0236	.0242	.0247

TABLE A-I CONT INUED

TABLE PAGE 13

TEMP DEG C	5.20	5.21	5.22	5.23	5.24	5.25	5.26	5.27	5.28	5.29	5.30
0	.00131	.00134	.00137	.00140	.00144	.00147	.00150	.00154	.00158	.00161	.00165
.2	.00133	.00136	.00140	.00143	.00146	.00150	.00153	.00157	.00160	.00164	.00168
.4	.00136	.00139	.00142	.00145	.00149	.00152	.00156	.00159	.00163	.00167	.00171
.6	.00138	.00141	.00144	.00148	.00151	.00155	.00158	.00162	.00166	.00170	.00174
.8	.00140	.00143	.00147	.00150	.00154	.00157	.00161	.00165	.00168	.00172	.00176
1.0	.00143	.00146	.00149	.00153	.00156	.00160	.00164	.00167	.00171	.00175	.00179
1.2	.00145	.00148	.00152	.00155	.00159	.00163	.00166	.00170	.00174	.00178	.00182
1.4	.00147	.00151	.00154	.00158	.00162	.00165	.00169	.00173	.00177	.00181	.00186
1.6	.00150	.00153	.00157	.00161	.00164	.00168	.00171	.00175	.00180	.00184	.00189
1.8	.00152	.00156	.00160	.00163	.00167	.00171	.00174	.00178	.00183	.00187	.00192
2.0	.00155	.00158	.00162	.00166	.00170	.00174	.00177	.00181	.00186	.00191	.00195
2.2	.00157	.00161	.00165	.00169	.00173	.00177	.00181	.00185	.00189	.00194	.00198
2.4	.00160	.00164	.00168	.00172	.00176	.00180	.00184	.00188	.00192	.00197	.00202
2.6	.00163	.00167	.00171	.00175	.00179	.00183	.00187	.00191	.00196	.00200	.00205
2.8	.00165	.00169	.00173	.00177	.00181	.00185	.00189	.00194	.00199	.00204	.00208
3.0	.00168	.00172	.00176	.00180	.00184	.00188	.00192	.00196	.00200	.00205	.00210
3.2	.00171	.00175	.00179	.00183	.00188	.00192	.00196	.00201	.00206	.00211	.00215
3.4	.00174	.00178	.00182	.00186	.00191	.00195	.00199	.00204	.00209	.00214	.00219
3.6	.00177	.00181	.00185	.00189	.00194	.00198	.00203	.00208	.00212	.00217	.00222
3.8	.00180	.00184	.00188	.00193	.00197	.00202	.00206	.00211	.00216	.00221	.00226
4.0	.00183	.00187	.00191	.00196	.00200	.00205	.00210	.00215	.00220	.00225	.00230
4.2	.00186	.00190	.00194	.00199	.00204	.00208	.00213	.00218	.00223	.00228	.00233
4.4	.00189	.00193	.00198	.00202	.00207	.00212	.00217	.00222	.00227	.00232	.00237
4.6	.00192	.00196	.00201	.00206	.00210	.00215	.00220	.00225	.00230	.00235	.00240
4.8	.00195	.00199	.00204	.00209	.00214	.00219	.00224	.00229	.00234	.00239	.00244
5.0	.00198	.00203	.00207	.00212	.00217	.00222	.00227	.00233	.00238	.00244	.00249
5.2	.00201	.00206	.00211	.00216	.00221	.00226	.00231	.00237	.00242	.00248	.00253
5.4	.00205	.00210	.00214	.00219	.00224	.00229	.00234	.00240	.00245	.00250	.00255
5.6	.00208	.00213	.00218	.00223	.00228	.00233	.00238	.00244	.00249	.00254	.00259
5.8	.00211	.00216	.00221	.00226	.00231	.00236	.00241	.00247	.00252	.00257	.00262
6.0	.00215	.00220	.00225	.00230	.00235	.00240	.00245	.00250	.00255	.00260	.00265
6.2	.00218	.00223	.00228	.00233	.00238	.00243	.00248	.00253	.00258	.00263	.00268
6.4	.00222	.00227	.00232	.00237	.00242	.00247	.00252	.00257	.00262	.00267	.00272
6.6	.00225	.00230	.00235	.00240	.00245	.00250	.00255	.00260	.00265	.00270	.00275
6.8	.00229	.00234	.00239	.00244	.00249	.00254	.00259	.00264	.00269	.00274	.00279
7.0	.00233	.00238	.00243	.00248	.00253	.00258	.00263	.00268	.00273	.00278	.00283

TABLE A-1 CONTINUED

TABLE PAGE 14

TEMP DEG C	5.20	5.21	5.22	5.23	5.24	5.25	5.26	5.27	5.28	5.29	5.30
7.0	.00233	.00238	.00244	.00249	.00255	.00261	.00267	.00274	.00280	.00286	.00293
7.2	.00237	.00242	.00248	.00253	.00259	.00265	.00272	.00278	.00284	.00290	.00298
7.4	.00240	.00246	.00252	.00258	.00264	.00270	.00276	.00282	.00288	.00294	.00300
7.6	.00244	.00250	.00256	.00262	.00268	.00274	.00280	.00286	.00292	.00298	.00305
7.8	.00248	.00254	.00260	.00266	.00272	.00278	.00284	.00290	.00296	.00302	.00309
8.0	.00252	.00258	.00264	.00270	.00276	.00282	.00288	.00294	.00300	.00306	.00312
8.2	.00256	.00262	.00268	.00274	.00280	.00286	.00292	.00298	.00304	.00310	.00317
8.4	.00260	.00266	.00272	.00278	.00284	.00290	.00296	.00302	.00308	.00314	.00320
8.6	.00264	.00270	.00276	.00282	.00288	.00294	.00300	.00306	.00312	.00318	.00324
8.8	.00268	.00274	.00280	.00286	.00292	.00298	.00304	.00310	.00316	.00322	.00328
9.0	.00272	.00278	.00284	.00290	.00296	.00302	.00308	.00314	.00320	.00326	.00332
9.2	.00276	.00282	.00288	.00294	.00300	.00306	.00312	.00318	.00324	.00330	.00336
9.4	.00280	.00286	.00292	.00298	.00304	.00310	.00316	.00322	.00328	.00334	.00340
9.6	.00284	.00290	.00296	.00302	.00308	.00314	.00320	.00326	.00332	.00338	.00344
9.8	.00288	.00294	.00300	.00306	.00312	.00318	.00324	.00330	.00336	.00342	.00348
10.0	.00292	.00298	.00304	.00310	.00316	.00322	.00328	.00334	.00340	.00346	.00352
10.2	.00296	.00302	.00308	.00314	.00320	.00326	.00332	.00338	.00344	.00350	.00356
10.4	.00300	.00306	.00312	.00318	.00324	.00330	.00336	.00342	.00348	.00354	.00360
10.6	.00304	.00310	.00316	.00322	.00328	.00334	.00340	.00346	.00352	.00358	.00364
10.8	.00308	.00314	.00320	.00326	.00332	.00338	.00344	.00350	.00356	.00362	.00368
11.0	.00312	.00318	.00324	.00330	.00336	.00342	.00348	.00354	.00360	.00366	.00372
11.2	.00316	.00322	.00328	.00334	.00340	.00346	.00352	.00358	.00364	.00370	.00376
11.4	.00320	.00326	.00332	.00338	.00344	.00350	.00356	.00362	.00368	.00374	.00380
11.6	.00324	.00330	.00336	.00342	.00348	.00354	.00360	.00366	.00372	.00378	.00384
11.8	.00328	.00334	.00340	.00346	.00352	.00358	.00364	.00370	.00376	.00382	.00388
12.0	.00332	.00338	.00344	.00350	.00356	.00362	.00368	.00374	.00380	.00386	.00392
12.2	.00336	.00342	.00348	.00354	.00360	.00366	.00372	.00378	.00384	.00390	.00396
12.4	.00340	.00346	.00352	.00358	.00364	.00370	.00376	.00382	.00388	.00394	.00400
12.6	.00344	.00350	.00356	.00362	.00368	.00374	.00380	.00386	.00392	.00398	.00404
12.8	.00348	.00354	.00360	.00366	.00372	.00378	.00384	.00390	.00396	.00402	.00408
13.0	.00352	.00358	.00364	.00370	.00376	.00382	.00388	.00394	.00400	.00406	.00412
13.2	.00356	.00362	.00368	.00374	.00380	.00386	.00392	.00398	.00404	.00410	.00416
13.4	.00360	.00366	.00372	.00378	.00384	.00390	.00396	.00402	.00408	.00414	.00420
13.6	.00364	.00370	.00376	.00382	.00388	.00394	.00400	.00406	.00412	.00418	.00424
13.8	.00368	.00374	.00380	.00386	.00392	.00398	.00404	.00410	.00416	.00422	.00428
14.0	.00372	.00378	.00384	.00390	.00396	.00402	.00408	.00414	.00420	.00426	.00432
14.2	.00376	.00382	.00388	.00394	.00400	.00406	.00412	.00418	.00424	.00430	.00436
14.4	.00380	.00386	.00392	.00398	.00404	.00410	.00416	.00422	.00428	.00434	.00440
14.6	.00384	.00390	.00396	.00402	.00408	.00414	.00420	.00426	.00432	.00438	.00444
14.8	.00388	.00394	.00400	.00406	.00412	.00418	.00424	.00430	.00436	.00442	.00448
15.0	.00392	.00398	.00404	.00410	.00416	.00422	.00428	.00434	.00440	.00446	.00452
15.2	.00396	.00402	.00408	.00414	.00420	.00426	.00432	.00438	.00444	.00450	.00456
15.4	.00400	.00406	.00412	.00418	.00424	.00430	.00436	.00442	.00448	.00454	.00460
15.6	.00404	.00410	.00416	.00422	.00428	.00434	.00440	.00446	.00452	.00458	.00464
15.8	.00408	.00414	.00420	.00426	.00432	.00438	.00444	.00450	.00456	.00462	.00468
16.0	.00412	.00418	.00424	.00430	.00436	.00442	.00448	.00454	.00460	.00466	.00472
16.2	.00416	.00422	.00428	.00434	.00440	.00446	.00452	.00458	.00464	.00470	.00476
16.4	.00420	.00426	.00432	.00438	.00444	.00450	.00456	.00462	.00468	.00474	.00480
16.6	.00424	.00430	.00436	.00442	.00448	.00454	.00460	.00466	.00472	.00478	.00484
16.8	.00428	.00434	.00440	.00446	.00452	.00458	.00464	.00470	.00476	.00482	.00488
17.0	.00432	.00438	.00444	.00450	.00456	.00462	.00468	.00474	.00480	.00486	.00492
17.2	.00436	.00442	.00448	.00454	.00460	.00466	.00472	.00478	.00484	.00490	.00496
17.4	.00440	.00446	.00452	.00458	.00464	.00470	.00476	.00482	.00488	.00494	.00500
17.6	.00444	.00450	.00456	.00462	.00468	.00474	.00480	.00486	.00492	.00498	.00504
17.8	.00448	.00454	.00460	.00466	.00472	.00478	.00484	.00490	.00496	.00502	.00508
18.0	.00452	.00458	.00464	.00470	.00476	.00482	.00488	.00494	.00500	.00506	.00512

TABLE A-1 CONTINUED

TABLE PAGE 15

TEMP DEG C	5.20	5.21	5.22	5.23	5.24	5.25	PH	5.26	5.27	5.28	5.29	5.30
14.0	.00402	.00412	.00421	.00431	.00441	.00451	.00462	.00472	.00483	.00495	.00506	.00514
14.2	.00408	.00418	.00428	.00438	.00448	.00458	.00469	.00480	.00491	.00502	.00514	.00522
14.4	.00415	.00424	.00434	.00444	.00455	.00465	.00476	.00487	.00498	.00510	.00522	.00534
14.6	.00421	.00431	.00441	.00451	.00462	.00472	.00483	.00494	.00506	.00518	.00530	.00542
14.8	.00427	.00437	.00447	.00458	.00469	.00480	.00491	.00502	.00513	.00525	.00537	.00549
15.0	.00434	.00444	.00454	.00465	.00476	.00487	.00498	.00509	.00521	.00533	.00545	.00557
15.2	.00440	.00451	.00461	.00472	.00483	.00494	.00506	.00518	.00530	.00542	.00554	.00566
15.4	.00447	.00458	.00468	.00479	.00490	.00502	.00513	.00525	.00537	.00549	.00561	.00573
15.6	.00454	.00465	.00475	.00486	.00498	.00509	.00521	.00533	.00545	.00557	.00569	.00581
15.8	.00461	.00472	.00483	.00494	.00505	.00517	.00529	.00541	.00554	.00567	.00579	.00591
16.0	.00468	.00479	.00490	.00501	.00513	.00525	.00537	.00550	.00562	.00576	.00588	.00600
16.2	.00475	.00486	.00497	.00509	.00521	.00533	.00545	.00557	.00571	.00584	.00597	.00611
16.4	.00482	.00493	.00505	.00517	.00529	.00541	.00554	.00566	.00580	.00593	.00606	.00620
16.6	.00489	.00501	.00512	.00524	.00537	.00549	.00562	.00575	.00588	.00602	.00615	.00629
16.8	.00497	.00508	.00520	.00532	.00545	.00557	.00570	.00584	.00597	.00611	.00625	.00639
17.0	.00504	.00516	.00528	.00540	.00553	.00566	.00579	.00592	.00606	.00620	.00634	.00648
17.2	.00512	.00524	.00536	.00548	.00561	.00574	.00588	.00601	.00615	.00630	.00644	.00658
17.4	.00519	.00532	.00544	.00557	.00570	.00583	.00596	.00610	.00625	.00639	.00654	.00668
17.6	.00527	.00540	.00552	.00565	.00578	.00592	.00605	.00619	.00634	.00649	.00664	.00679
17.8	.00535	.00548	.00560	.00573	.00587	.00600	.00614	.00629	.00643	.00658	.00674	.00688
18.0	.00543	.00556	.00569	.00582	.00596	.00609	.00624	.00638	.00653	.00668	.00684	.00699
18.2	.00551	.00564	.00577	.00591	.00604	.00619	.00633	.00648	.00663	.00678	.00694	.00709
18.4	.00559	.00573	.00586	.00599	.00613	.00628	.00642	.00657	.00673	.00688	.00704	.00719
18.6	.00568	.00581	.00595	.00608	.00623	.00637	.00652	.00667	.00683	.00699	.00715	.00730
18.8	.00576	.00590	.00603	.00617	.00632	.00647	.00662	.00677	.00693	.00709	.00725	.00741
19.0	.00585	.00598	.00612	.00627	.00641	.00656	.00671	.00687	.00703	.00719	.00736	.00752
19.2	.00593	.00607	.00621	.00636	.00651	.00666	.00681	.00697	.00713	.00730	.00747	.00764
19.4	.00602	.00616	.00631	.00645	.00660	.00676	.00691	.00708	.00724	.00741	.00758	.00775
19.6	.00611	.00625	.00640	.00655	.00670	.00686	.00702	.00718	.00735	.00752	.00769	.00786
19.8	.00620	.00635	.00649	.00665	.00680	.00696	.00712	.00729	.00746	.00763	.00781	.00798
20.0	.00629	.00644	.00659	.00674	.00690	.00706	.00723	.00739	.00757	.00774	.00792	.00809
20.2	.00639	.00653	.00669	.00684	.00700	.00716	.00733	.00750	.00768	.00786	.00804	.00821
20.4	.00648	.00663	.00678	.00694	.00710	.00727	.00744	.00761	.00779	.00797	.00816	.00834
20.6	.00657	.00673	.00688	.00704	.00721	.00738	.00755	.00772	.00790	.00809	.00828	.00846
20.8	.00667	.00683	.00699	.00715	.00731	.00748	.00766	.00784	.00802	.00821	.00840	.00858
21.0	.00677	.00693	.00709	.00725	.00742	.00759	.00777	.00795	.00814	.00833	.00852	.00871

TABLE A-1 CONTINUED

TEMP DEG C	5.20	5.21	5.22	5.23	5.24	5.25	5.26	5.27	5.28	5.29	5.30
21.0	.00677	.00693	.00709	.00725	.00742	.00759	.00777	.00795	.00814	.00833	.00852
21.2	.00687	.00703	.00719	.00736	.00753	.00771	.00788	.00807	.00826	.00845	.00865
21.4	.00697	.00713	.00730	.00747	.00764	.00782	.00800	.00819	.00838	.00857	.00877
21.6	.00707	.00723	.00740	.00757	.00775	.00793	.00812	.00831	.00850	.00870	.00890
21.8	.00717	.00734	.00751	.00769	.00786	.00805	.00823	.00843	.00862	.00882	.00903
22.0	.00728	.00745	.00762	.00780	.00798	.00816	.00835	.00855	.00875	.00895	.00916
22.2	.00738	.00755	.00773	.00791	.00809	.00828	.00848	.00867	.00888	.00908	.00929
22.4	.00749	.00766	.00784	.00802	.00821	.00840	.00860	.00880	.00900	.00921	.00943
22.6	.00760	.00777	.00796	.00814	.00833	.00852	.00872	.00893	.00913	.00935	.00956
22.8	.00771	.00789	.00807	.00826	.00845	.00865	.00885	.00906	.00927	.00948	.00970
23.0	.00782	.00800	.00819	.00838	.00857	.00877	.00898	.00919	.00940	.00962	.00984
23.2	.00793	.00812	.00831	.00850	.00870	.00890	.00911	.00932	.00954	.00976	.00998
23.4	.00805	.00823	.00842	.00862	.00882	.00900	.00924	.00945	.00967	.00990	.01013
23.6	.00816	.00835	.00855	.00874	.00895	.00916	.00937	.00959	.00981	.01004	.01027
23.8	.00828	.00847	.00867	.00887	.00908	.00929	.00950	.00973	.00995	.01018	.01042
24.0	.00840	.00859	.00879	.00900	.00921	.00942	.00964	.00987	.01010	.01033	.01057
24.2	.00852	.00872	.00892	.00913	.00934	.00956	.00978	.01001	.01024	.01048	.01083
24.4	.00864	.00884	.00905	.00926	.00947	.00969	.00992	.01015	.01039	.01063	.01088
24.6	.00876	.00897	.00918	.00939	.00961	.00983	.01006	.01030	.01053	.01078	.01103
24.8	.00889	.00909	.00931	.00952	.00975	.00997	.01020	.01044	.01069	.01093	.01118
25.0	.00901	.00922	.00944	.00966	.00988	.01011	.01035	.01059	.01084	.01109	.01135
25.2	.00914	.00936	.00957	.00980	.01002	.01026	.01050	.01074	.01099	.01125	.01151
25.4	.00927	.00949	.00971	.00994	.01017	.01040	.01065	.01089	.01115	.01141	.01167
25.6	.00940	.00962	.00985	.01008	.01031	.01055	.01080	.01105	.01131	.01157	.01184
25.8	.00954	.00976	.00999	.01022	.01046	.01070	.01095	.01120	.01147	.01173	.01201
26.0	.00967	.00990	.01013	.01036	.01061	.01085	.01110	.01136	.01163	.01190	.01218
26.2	.00981	.01004	.01027	.01051	.01075	.01101	.01126	.01152	.01179	.01207	.01235
26.4	.00995	.01018	.01042	.01066	.01091	.01116	.01142	.01169	.01196	.01224	.01252
26.6	.0101	.0103	.0106	.0108	.0111	.0113	.0116	.0119	.0121	.0124	.0127
26.8	.0102	.0105	.0107	.0110	.0112	.0115	.0117	.0120	.0123	.0126	.0129
27.0	.0104	.0106	.0109	.0111	.0114	.0116	.0119	.0122	.0125	.0128	.0131
27.2	.0105	.0108	.0110	.0113	.0115	.0118	.0121	.0124	.0126	.0129	.0132
27.4	.0107	.0109	.0112	.0114	.0117	.0120	.0122	.0125	.0128	.0131	.0134
27.6	.0108	.0111	.0113	.0116	.0119	.0121	.0124	.0127	.0130	.0133	.0136
27.8	.0110	.0112	.0115	.0118	.0120	.0123	.0126	.0129	.0132	.0135	.0138
28.0	.0111	.0114	.0116	.0119	.0122	.0125	.0128	.0131	.0134	.0137	.0140

TABLE A-1 CONTINUED

TEMP DEG C	5.20	5.21	5.22	5.23	5.24	PH 5.25	5.26	5.27	5.28	5.29	5.30
28.0	.0111	.0114	.0116	.0119	.0122	.0125	.0128	.0131	.0134	.0137	.0140
28.2	.0113	.0115	.0118	.0121	.0124	.0127	.0129	.0132	.0136	.0139	.0142
28.4	.0114	.0117	.0120	.0123	.0126	.0129	.0131	.0134	.0137	.0141	.0144
28.6	.0116	.0119	.0122	.0125	.0128	.0131	.0133	.0136	.0139	.0143	.0146
28.8	.0118	.0121	.0124	.0127	.0130	.0133	.0135	.0138	.0141	.0145	.0148
29.0	.0119	.0122	.0125	.0128	.0131	.0134	.0137	.0140	.0143	.0147	.0150
29.2	.0121	.0124	.0126	.0129	.0132	.0136	.0139	.0142	.0145	.0149	.0152
29.4	.0122	.0125	.0128	.0131	.0134	.0137	.0140	.0143	.0147	.0151	.0154
29.6	.0124	.0127	.0130	.0133	.0136	.0139	.0143	.0146	.0149	.0153	.0156
29.8	.0126	.0129	.0132	.0135	.0138	.0141	.0145	.0148	.0151	.0155	.0158
30.0	.0128	.0131	.0134	.0137	.0140	.0143	.0147	.0150	.0153	.0157	.0161
30.2	.0129	.0132	.0135	.0139	.0142	.0145	.0149	.0152	.0156	.0159	.0163
30.4	.0131	.0134	.0137	.0141	.0144	.0147	.0151	.0154	.0158	.0161	.0165
30.6	.0133	.0136	.0139	.0142	.0146	.0149	.0153	.0156	.0160	.0164	.0167
30.8	.0135	.0138	.0141	.0144	.0148	.0151	.0155	.0158	.0162	.0166	.0170
31.0	.0137	.0140	.0143	.0146	.0150	.0153	.0157	.0160	.0164	.0167	.0171
31.2	.0138	.0142	.0145	.0148	.0152	.0155	.0159	.0163	.0166	.0170	.0174
31.4	.0140	.0144	.0147	.0150	.0154	.0157	.0161	.0165	.0169	.0173	.0177
31.6	.0142	.0146	.0149	.0152	.0156	.0160	.0163	.0167	.0171	.0175	.0179
31.8	.0144	.0148	.0151	.0155	.0158	.0162	.0166	.0169	.0173	.0177	.0181
32.0	.0146	.0150	.0153	.0157	.0160	.0164	.0168	.0172	.0176	.0180	.0184
32.2	.0148	.0152	.0155	.0159	.0162	.0166	.0170	.0174	.0178	.0182	.0186
32.4	.0150	.0154	.0157	.0161	.0165	.0168	.0172	.0176	.0181	.0185	.0189
32.6	.0152	.0156	.0159	.0163	.0167	.0171	.0175	.0179	.0183	.0187	.0192
32.8	.0154	.0158	.0162	.0165	.0169	.0173	.0177	.0181	.0185	.0190	.0194
33.0	.0156	.0160	.0164	.0168	.0171	.0175	.0179	.0184	.0188	.0192	.0197
33.2	.0158	.0162	.0166	.0170	.0174	.0178	.0182	.0186	.0190	.0195	.0199
33.4	.0161	.0164	.0168	.0172	.0176	.0180	.0184	.0189	.0193	.0198	.0202
33.6	.0163	.0167	.0170	.0174	.0178	.0183	.0187	.0191	.0196	.0200	.0205
33.8	.0165	.0169	.0173	.0177	.0181	.0185	.0189	.0194	.0198	.0203	.0208
34.0	.0167	.0171	.0175	.0179	.0183	.0188	.0192	.0196	.0201	.0206	.0210
34.2	.0169	.0173	.0177	.0181	.0186	.0190	.0194	.0199	.0204	.0208	.0213
34.4	.0172	.0176	.0180	.0184	.0188	.0193	.0197	.0202	.0206	.0211	.0216
34.6	.0174	.0178	.0182	.0186	.0191	.0195	.0200	.0204	.0209	.0214	.0219
34.8	.0176	.0180	.0184	.0189	.0193	.0198	.0202	.0207	.0212	.0217	.0222
35.0	.0179	.0183	.0187	.0191	.0196	.0200	.0205	.0210	.0215	.0220	.0225

TABLE A-1 CONTINUED

TABLE PAGE 18

TEMP DEG C	5.20	5.21	5.22	5.23	5.24	PH 5.25	5.26	5.27	5.28	5.29	5.30
35.0	.0179	.0183	.0187	.0191	.0196	.0200	.0205	.0210	.0215	.0220	.0225
35.2	.0181	.0185	.0189	.0194	.0198	.0203	.0208	.0213	.0218	.0223	.0228
35.4	.0183	.0188	.0192	.0196	.0201	.0206	.0211	.0215	.0220	.0225	.0231
35.6	.0186	.0190	.0195	.0199	.0204	.0208	.0213	.0218	.0223	.0228	.0234
35.8	.0188	.0193	.0197	.0202	.0206	.0211	.0216	.0221	.0226	.0231	.0237
36.0	.0191	.0195	.0200	.0204	.0209	.0214	.0219	.0224	.0229	.0235	.0240
36.2	.0193	.0198	.0202	.0207	.0212	.0217	.0222	.0227	.0232	.0238	.0243
36.4	.0196	.0200	.0205	.0210	.0215	.0220	.0225	.0230	.0235	.0241	.0247
36.6	.0198	.0203	.0208	.0213	.0218	.0223	.0228	.0233	.0239	.0244	.0250
36.8	.0201	.0206	.0211	.0215	.0220	.0225	.0230	.0236	.0242	.0247	.0253
37.0	.0204	.0208	.0213	.0218	.0223	.0229	.0234	.0239	.0245	.0251	.0256
37.2	.0206	.0211	.0216	.0221	.0226	.0232	.0237	.0242	.0248	.0254	.0260
37.4	.0209	.0214	.0219	.0224	.0229	.0235	.0240	.0246	.0251	.0257	.0263
37.6	.0212	.0217	.0222	.0227	.0232	.0238	.0243	.0249	.0255	.0261	.0267
37.8	.0215	.0220	.0225	.0230	.0235	.0241	.0246	.0252	.0258	.0264	.0270
38.0	.0217	.0222	.0228	.0233	.0238	.0244	.0250	.0255	.0261	.0267	.0274
38.2	.0220	.0225	.0231	.0236	.0241	.0247	.0253	.0259	.0265	.0271	.0277
38.4	.0223	.0228	.0234	.0239	.0245	.0250	.0256	.0262	.0268	.0274	.0281
38.6	.0226	.0231	.0237	.0242	.0248	.0254	.0259	.0266	.0272	.0278	.0284
38.8	.0229	.0234	.0240	.0245	.0251	.0257	.0263	.0269	.0275	.0282	.0288
39.0	.0232	.0237	.0243	.0248	.0254	.0260	.0266	.0272	.0279	.0285	.0292
39.2	.0235	.0240	.0246	.0252	.0258	.0264	.0270	.0276	.0282	.0289	.0296
39.4	.0238	.0243	.0249	.0255	.0261	.0267	.0273	.0280	.0286	.0293	.0300
39.6	.0241	.0247	.0252	.0258	.0264	.0270	.0277	.0283	.0290	.0297	.0303
39.8	.0244	.0250	.0256	.0262	.0268	.0274	.0280	.0287	.0294	.0300	.0307
40.0	.0247	.0253	.0259	.0265	.0271	.0277	.0284	.0291	.0297	.0304	.0311

TABLE A-1 CONTINUED

TABLE PAGE 19

TEMP DEG C	5.30	5.31	5.32	5.33	5.34	5.35	PH	5.36	5.37	5.38	5.39	5.40
0	.00165	.00169	.00173	.00177	.00181	.00185	.00189	.00193	.00197	.00201	.00205	.00209
.2	.00168	.00172	.00176	.00180	.00184	.00188	.00192	.00196	.00200	.00204	.00208	.00212
.4	.00171	.00175	.00179	.00183	.00187	.00191	.00195	.00199	.00203	.00207	.00211	.00215
.6	.00174	.00178	.00182	.00186	.00190	.00194	.00198	.00202	.00206	.00210	.00214	.00218
.8	.00176	.00181	.00185	.00189	.00193	.00197	.00201	.00205	.00209	.00213	.00217	.00221
1.0	.00179	.00184	.00188	.00192	.00196	.00200	.00204	.00208	.00212	.00216	.00220	.00224
1.2	.00182	.00187	.00191	.00195	.00199	.00203	.00207	.00211	.00215	.00219	.00223	.00227
1.4	.00186	.00190	.00194	.00198	.00202	.00206	.00210	.00214	.00218	.00222	.00226	.00230
1.6	.00189	.00193	.00197	.00201	.00205	.00209	.00213	.00217	.00221	.00225	.00229	.00233
1.8	.00192	.00196	.00200	.00204	.00208	.00212	.00216	.00220	.00224	.00228	.00232	.00236
2.0	.00195	.00200	.00204	.00208	.00212	.00216	.00220	.00224	.00228	.00232	.00236	.00240
2.2	.00198	.00203	.00207	.00211	.00215	.00219	.00223	.00227	.00231	.00235	.00239	.00243
2.4	.00202	.00206	.00210	.00214	.00218	.00222	.00226	.00230	.00234	.00238	.00242	.00246
2.6	.00205	.00209	.00213	.00217	.00221	.00225	.00229	.00233	.00237	.00241	.00245	.00249
2.8	.00208	.00212	.00216	.00220	.00224	.00228	.00232	.00236	.00240	.00244	.00248	.00252
3.0	.00212	.00216	.00220	.00224	.00228	.00232	.00236	.00240	.00244	.00248	.00252	.00256
3.2	.00215	.00219	.00223	.00227	.00231	.00235	.00239	.00243	.00247	.00251	.00255	.00259
3.4	.00219	.00223	.00227	.00231	.00235	.00239	.00243	.00247	.00251	.00255	.00259	.00263
3.6	.00222	.00226	.00230	.00234	.00238	.00242	.00246	.00250	.00254	.00258	.00262	.00266
3.8	.00226	.00230	.00234	.00238	.00242	.00246	.00250	.00254	.00258	.00262	.00266	.00270
4.0	.00230	.00234	.00238	.00242	.00246	.00250	.00254	.00258	.00262	.00266	.00270	.00274
4.2	.00233	.00237	.00241	.00245	.00249	.00253	.00257	.00261	.00265	.00269	.00273	.00277
4.4	.00237	.00241	.00245	.00249	.00253	.00257	.00261	.00265	.00269	.00273	.00277	.00281
4.6	.00241	.00245	.00249	.00253	.00257	.00261	.00265	.00269	.00273	.00277	.00281	.00285
4.8	.00245	.00249	.00253	.00257	.00261	.00265	.00269	.00273	.00277	.00281	.00285	.00289
5.0	.00249	.00253	.00257	.00261	.00265	.00269	.00273	.00277	.00281	.00285	.00289	.00293
5.2	.00253	.00257	.00261	.00265	.00269	.00273	.00277	.00281	.00285	.00289	.00293	.00297
5.4	.00257	.00261	.00265	.00269	.00273	.00277	.00281	.00285	.00289	.00293	.00297	.00301
5.6	.00261	.00265	.00269	.00273	.00277	.00281	.00285	.00289	.00293	.00297	.00301	.00305
5.8	.00265	.00269	.00273	.00277	.00281	.00285	.00289	.00293	.00297	.00301	.00305	.00309
6.0	.00269	.00273	.00277	.00281	.00285	.00289	.00293	.00297	.00301	.00305	.00309	.00313
6.2	.00273	.00277	.00281	.00285	.00289	.00293	.00297	.00301	.00305	.00309	.00313	.00317
6.4	.00277	.00281	.00285	.00289	.00293	.00297	.00301	.00305	.00309	.00313	.00317	.00321
6.6	.00281	.00285	.00289	.00293	.00297	.00301	.00305	.00309	.00313	.00317	.00321	.00325
6.8	.00285	.00289	.00293	.00297	.00301	.00305	.00309	.00313	.00317	.00321	.00325	.00329
7.0	.00289	.00293	.00297	.00301	.00305	.00309	.00313	.00317	.00321	.00325	.00329	.00333

TABLE A-1 CONTINUED

TABLE PAGE 20

TEMP DEG C	5.30	5.31	5.32	5.33	5.34	5.35 PH	5.36	5.37	5.38	5.39	5.40
7.0	.00293	.00300	.00307	.00314	.00321	.00329	.00337	.00344	.00352	.00361	.00369
7.2	.00298	.00305	.00312	.00319	.00327	.00334	.00342	.00350	.00358	.00366	.00375
7.4	.00303	.00310	.00317	.00324	.00332	.00340	.00347	.00356	.00364	.00372	.00381
7.6	.00307	.00315	.00322	.00329	.00337	.00345	.00353	.00361	.00369	.00378	.00387
7.8	.00312	.00320	.00327	.00335	.00343	.00351	.00359	.00367	.00376	.00384	.00393
8.0	.00317	.00325	.00332	.00340	.00348	.00356	.00364	.00373	.00382	.00391	.00400
8.2	.00322	.00330	.00338	.00346	.00354	.00362	.00370	.00379	.00388	.00397	.00406
8.4	.00328	.00335	.00343	.00351	.00359	.00368	.00376	.00385	.00394	.00403	.00412
8.6	.00333	.00341	.00349	.00357	.00365	.00374	.00382	.00391	.00400	.00409	.00419
8.8	.00338	.00346	.00354	.00362	.00371	.00379	.00388	.00397	.00407	.00416	.00426
9.0	.00344	.00352	.00360	.00368	.00377	.00385	.00394	.00404	.00413	.00423	.00433
9.2	.00349	.00357	.00365	.00374	.00383	.00392	.00401	.00410	.00420	.00429	.00439
9.4	.00355	.00363	.00371	.00380	.00389	.00398	.00407	.00417	.00426	.00436	.00446
9.6	.00360	.00369	.00377	.00386	.00395	.00404	.00414	.00423	.00433	.00443	.00453
9.8	.00366	.00374	.00383	.00392	.00401	.00411	.00421	.00430	.00440	.00450	.00461
10.0	.00372	.00380	.00389	.00398	.00408	.00417	.00427	.00437	.00447	.00457	.00468
10.2	.00378	.00386	.00395	.00405	.00414	.00424	.00433	.00444	.00454	.00464	.00475
10.4	.00383	.00392	.00402	.00411	.00420	.00430	.00440	.00451	.00461	.00472	.00483
10.6	.00390	.00399	.00408	.00417	.00427	.00437	.00447	.00458	.00468	.00479	.00490
10.8	.00396	.00405	.00414	.00424	.00434	.00444	.00454	.00465	.00476	.00487	.00498
11.0	.00402	.00411	.00421	.00431	.00441	.00451	.00461	.00472	.00483	.00494	.00506
11.2	.00408	.00418	.00427	.00437	.00448	.00458	.00469	.00480	.00491	.00502	.00514
11.4	.00415	.00424	.00434	.00444	.00455	.00465	.00476	.00487	.00498	.00510	.00522
11.6	.00421	.00431	.00441	.00451	.00462	.00472	.00483	.00495	.00506	.00518	.00530
11.8	.00434	.00444	.00455	.00465	.00476	.00487	.00499	.00510	.00522	.00534	.00547
12.0	.00441	.00451	.00462	.00473	.00484	.00495	.00506	.00518	.00530	.00543	.00555
12.2	.00448	.00458	.00469	.00480	.00491	.00503	.00514	.00526	.00538	.00551	.00564
12.4	.00455	.00465	.00476	.00487	.00499	.00510	.00522	.00534	.00547	.00560	.00573
12.6	.00462	.00473	.00484	.00495	.00506	.00518	.00530	.00543	.00555	.00568	.00581
12.8	.00469	.00480	.00491	.00503	.00514	.00526	.00538	.00551	.00564	.00577	.00590
13.0	.00476	.00487	.00499	.00510	.00522	.00534	.00547	.00560	.00573	.00586	.00600
13.2	.00484	.00495	.00506	.00518	.00530	.00543	.00555	.00568	.00581	.00595	.00609
13.4	.00491	.00502	.00514	.00526	.00538	.00551	.00564	.00577	.00590	.00604	.00618
13.6	.00499	.00510	.00522	.00534	.00547	.00559	.00572	.00586	.00599	.00613	.00627
13.8	.00506	.00518	.00530	.00542	.00555	.00568	.00581	.00595	.00609	.00623	.00637

TABLE A-1 CONTINUED

TEMP DEG C	5.30	5.31	5.32	5.33	5.34	5.35	PH	5.36	5.37	5.38	5.39	5.40
14.0	.0506	.0518	.0530	.0542	.0555	.0568	.0581	.0595	.0604	.0609	.0623	.0637
14.2	.0514	.0526	.0538	.0551	.0564	.0577	.0590	.0604	.0613	.0618	.0632	.0647
14.4	.0522	.0534	.0547	.0559	.0572	.0586	.0599	.0613	.0623	.0627	.0642	.0657
14.6	.0530	.0542	.0555	.0568	.0581	.0595	.0608	.0622	.0632	.0637	.0652	.0667
14.8	.0538	.0551	.0563	.0576	.0589	.0604	.0617	.0632	.0642	.0647	.0662	.0677
15.0	.0546	.0559	.0572	.0585	.0599	.0613	.0627	.0642	.0652	.0657	.0672	.0688
15.2	.0555	.0567	.0581	.0594	.0608	.0622	.0637	.0652	.0662	.0667	.0682	.0698
15.4	.0563	.0576	.0590	.0603	.0617	.0632	.0646	.0661	.0671	.0677	.0693	.0709
15.6	.0572	.0585	.0598	.0612	.0627	.0641	.0656	.0671	.0682	.0687	.0704	.0719
15.8	.0580	.0594	.0608	.0622	.0636	.0651	.0666	.0682	.0692	.0698	.0714	.0730
16.0	.0589	.0603	.0617	.0631	.0646	.0661	.0676	.0692	.0702	.0708	.0725	.0741
16.2	.0598	.0612	.0626	.0641	.0656	.0671	.0686	.0702	.0712	.0719	.0736	.0753
16.4	.0607	.0621	.0636	.0650	.0665	.0681	.0697	.0713	.0724	.0730	.0747	.0764
16.6	.0616	.0630	.0645	.0660	.0676	.0691	.0708	.0724	.0735	.0741	.0758	.0776
16.8	.0625	.0640	.0655	.0670	.0686	.0702	.0718	.0735	.0746	.0752	.0769	.0787
17.0	.0635	.0650	.0665	.0680	.0696	.0712	.0729	.0746	.0757	.0763	.0781	.0799
17.2	.0644	.0659	.0675	.0690	.0706	.0723	.0740	.0757	.0768	.0775	.0793	.0811
17.4	.0654	.0669	.0685	.0701	.0717	.0734	.0751	.0768	.0780	.0786	.0805	.0823
17.6	.0664	.0679	.0695	.0711	.0728	.0745	.0762	.0780	.0792	.0798	.0817	.0836
17.8	.0674	.0689	.0705	.0722	.0739	.0756	.0774	.0792	.0803	.0810	.0829	.0848
18.0	.0684	.0700	.0716	.0733	.0750	.0767	.0785	.0803	.0815	.0822	.0841	.0861
18.2	.0694	.0710	.0727	.0744	.0761	.0779	.0797	.0815	.0834	.0834	.0854	.0874
18.4	.0704	.0721	.0738	.0755	.0772	.0790	.0809	.0828	.0847	.0847	.0867	.0887
18.6	.0715	.0731	.0748	.0766	.0784	.0802	.0821	.0840	.0859	.0859	.0879	.0899
18.8	.0725	.0742	.0760	.0777	.0795	.0814	.0833	.0852	.0872	.0872	.0892	.0913
19.0	.0736	.0753	.0771	.0789	.0807	.0826	.0845	.0865	.0885	.0885	.0906	.0927
19.2	.0747	.0765	.0782	.0801	.0819	.0838	.0858	.0878	.0898	.0898	.0919	.0941
19.4	.0758	.0776	.0794	.0812	.0831	.0851	.0870	.0891	.0912	.0912	.0933	.0954
19.6	.0769	.0787	.0806	.0824	.0844	.0863	.0883	.0904	.0925	.0925	.0947	.0969
19.8	.0781	.0799	.0818	.0837	.0856	.0876	.0896	.0917	.0939	.0939	.0960	.0983
20.0	.0792	.0811	.0830	.0849	.0869	.0889	.0910	.0931	.0952	.0952	.0975	.0997
20.2	.0804	.0823	.0842	.0861	.0881	.0902	.0923	.0944	.0966	.0966	.0989	.1012
20.4	.0816	.0835	.0854	.0874	.0894	.0915	.0937	.0958	.0981	.0981	.1004	.1027
20.6	.0828	.0847	.0867	.0887	.0908	.0929	.0950	.0972	.0995	.0995	.1018	.1042
20.8	.0840	.0859	.0879	.0899	.0921	.0942	.0964	.0987	.1010	.1010	.1033	.1057
21.0	.0852	.0872	.0892	.0913	.0934	.0956	.0978	.1001	.1024	.1024	.1048	.1073

TABLE A-1 CONTINUED

TABLE PAGE 22

TEMP DEG C	5.30	5.31	5.32	5.33	5.34	5.35	5.36	5.37	5.38	5.39	5.40
21.0	.00852	.00872	.00892	.00913	.00934	.00956	.00978	.01001	.01024	.01048	.01073
21.2	.00865	.00885	.00905	.00926	.00948	.00970	.00993	.01016	.01039	.01064	.01088
21.4	.00877	.00898	.00919	.00940	.00962	.00984	.01007	.01031	.01055	.01079	.01104
21.6	.00903	.00911	.00932	.00954	.00976	.00999	.01022	.01046	.01070	.01095	.01120
22.0	.00916	.00937	.00959	.00982	.01004	.01028	.01052	.01076	.01101	.01127	.01153
22.2	.00929	.00951	.00973	.00996	.01019	.01043	.01067	.01092	.01117	.01143	.01170
22.4	.00943	.00965	.00987	.01010	.01034	.01058	.01082	.01108	.01133	.01160	.01187
22.6	.00956	.00979	.01002	.01025	.01049	.01073	.01098	.01124	.01150	.01177	.01204
23.0	.00984	.01007	.01031	.01055	.01079	.01104	.01130	.01156	.01183	.01211	.01239
23.2	.00998	.01022	.01046	.01070	.01095	.01120	.01146	.01173	.01200	.01228	.01257
23.4	.0101	.0104	.0106	.0109	.0111	.0114	.0116	.0119	.0122	.0125	.0128
23.6	.0103	.0107	.0109	.0112	.0114	.0117	.0120	.0122	.0125	.0128	.0131
24.0	.0106	.0108	.0111	.0113	.0116	.0119	.0121	.0124	.0127	.0130	.0133
24.2	.0107	.0111	.0112	.0115	.0118	.0120	.0123	.0126	.0129	.0132	.0135
24.4	.0109	.0113	.0114	.0117	.0119	.0122	.0125	.0128	.0131	.0134	.0137
24.6	.0112	.0116	.0117	.0120	.0123	.0126	.0129	.0131	.0135	.0138	.0141
25.0	.0115	.0118	.0121	.0123	.0126	.0129	.0132	.0135	.0138	.0142	.0145
25.2	.0117	.0121	.0124	.0127	.0130	.0133	.0136	.0139	.0142	.0146	.0149
25.4	.0120	.0123	.0126	.0129	.0132	.0135	.0138	.0141	.0144	.0148	.0151
25.6	.0122	.0125	.0127	.0130	.0134	.0137	.0140	.0143	.0146	.0150	.0153
26.0	.0125	.0128	.0131	.0134	.0137	.0139	.0142	.0145	.0148	.0152	.0155
26.2	.0127	.0130	.0133	.0136	.0139	.0141	.0144	.0147	.0151	.0154	.0158
26.4	.0129	.0132	.0135	.0138	.0141	.0144	.0148	.0151	.0155	.0158	.0162
26.6	.0131	.0134	.0137	.0140	.0143	.0147	.0150	.0153	.0157	.0161	.0164
27.0	.0134	.0137	.0141	.0144	.0147	.0151	.0154	.0158	.0161	.0165	.0169
27.2	.0136	.0139	.0143	.0146	.0149	.0153	.0156	.0160	.0164	.0167	.0171
27.4	.0138	.0141	.0145	.0148	.0151	.0155	.0159	.0162	.0166	.0170	.0174
27.6	.0140	.0143	.0147	.0150	.0153	.0157	.0161	.0164	.0168	.0172	.0176

TABLE A-1 CONTINUED

TEMP DEG C	5.30	5.31	5.32	5.33	5.34	PH 5.35	5.36	5.37	5.38	5.39	5.40
28.0	.0140	.0143	.0147	.0150	.0153	.0157	.0161	.0164	.0168	.0172	.0176
28.2	.0142	.0145	.0149	.0152	.0156	.0159	.0163	.0167	.0171	.0175	.0179
28.4	.0144	.0147	.0151	.0154	.0158	.0161	.0165	.0169	.0173	.0177	.0181
28.6	.0146	.0149	.0153	.0156	.0160	.0164	.0168	.0172	.0176	.0180	.0184
28.8	.0148	.0151	.0155	.0159	.0162	.0166	.0170	.0174	.0178	.0182	.0186
29.0	.0150	.0153	.0157	.0161	.0164	.0168	.0172	.0176	.0180	.0185	.0189
29.2	.0152	.0156	.0159	.0163	.0167	.0171	.0175	.0179	.0183	.0187	.0191
29.4	.0154	.0158	.0161	.0165	.0169	.0173	.0177	.0181	.0185	.0190	.0194
29.6	.0156	.0160	.0164	.0167	.0171	.0175	.0179	.0183	.0187	.0192	.0197
29.8	.0158	.0162	.0166	.0170	.0174	.0178	.0182	.0186	.0190	.0195	.0200
30.0	.0161	.0164	.0168	.0172	.0176	.0180	.0184	.0189	.0193	.0198	.0202
30.2	.0163	.0167	.0171	.0174	.0178	.0183	.0187	.0191	.0196	.0200	.0205
30.4	.0165	.0169	.0173	.0177	.0181	.0185	.0189	.0194	.0198	.0203	.0208
30.6	.0167	.0171	.0175	.0179	.0183	.0188	.0192	.0197	.0201	.0206	.0210
30.8	.0169	.0173	.0177	.0181	.0185	.0190	.0194	.0199	.0203	.0208	.0213
31.0	.0172	.0176	.0180	.0184	.0188	.0193	.0197	.0202	.0206	.0211	.0216
31.2	.0174	.0178	.0183	.0187	.0191	.0196	.0200	.0205	.0210	.0214	.0219
31.4	.0177	.0181	.0185	.0189	.0194	.0198	.0203	.0208	.0212	.0217	.0222
31.6	.0179	.0183	.0188	.0192	.0196	.0201	.0205	.0210	.0214	.0219	.0224
31.8	.0182	.0186	.0190	.0194	.0199	.0203	.0208	.0213	.0217	.0222	.0227
32.0	.0184	.0188	.0193	.0197	.0201	.0206	.0211	.0216	.0220	.0225	.0230
32.2	.0186	.0191	.0195	.0200	.0204	.0209	.0213	.0218	.0223	.0228	.0233
32.4	.0189	.0193	.0198	.0203	.0207	.0212	.0216	.0221	.0226	.0231	.0236
32.6	.0192	.0196	.0201	.0205	.0210	.0215	.0219	.0224	.0229	.0234	.0239
32.8	.0194	.0199	.0203	.0208	.0212	.0217	.0222	.0227	.0232	.0237	.0242
33.0	.0197	.0201	.0206	.0211	.0215	.0220	.0225	.0230	.0235	.0240	.0245
33.2	.0199	.0204	.0209	.0214	.0218	.0223	.0228	.0233	.0238	.0243	.0248
33.4	.0202	.0207	.0212	.0217	.0221	.0226	.0231	.0236	.0241	.0246	.0251
33.6	.0205	.0210	.0215	.0220	.0225	.0230	.0235	.0240	.0245	.0250	.0255
33.8	.0208	.0212	.0217	.0222	.0227	.0232	.0237	.0242	.0247	.0252	.0257
34.0	.0210	.0215	.0220	.0225	.0230	.0235	.0240	.0245	.0250	.0255	.0260
34.2	.0213	.0218	.0223	.0228	.0233	.0238	.0243	.0248	.0253	.0258	.0263
34.4	.0216	.0221	.0226	.0231	.0236	.0241	.0246	.0251	.0256	.0261	.0266
34.6	.0219	.0224	.0229	.0234	.0239	.0244	.0249	.0254	.0259	.0264	.0269
34.8	.0222	.0227	.0232	.0237	.0242	.0247	.0252	.0257	.0262	.0267	.0272
35.0	.0225	.0230	.0235	.0240	.0245	.0250	.0255	.0260	.0265	.0270	.0275

TABLE A-1 CONTINUED

TABLE PAGE 24

TEMP DEG C	5.30	5.31	5.32	5.33	5.34	PH 5.35	5.36	5.37	5.38	5.39	5.40
35.0	.0225	.0230	.0235	.0241	.0247	.0256	.0258	.0264	.0270	.0277	.0283
35.2	.0228	.0233	.0239	.0244	.0250	.0259	.0262	.0268	.0274	.0280	.0287
35.4	.0231	.0236	.0242	.0247	.0253	.0262	.0265	.0271	.0278	.0284	.0291
35.6	.0234	.0239	.0245	.0251	.0256	.0266	.0269	.0275	.0281	.0288	.0294
35.8	.0237	.0243	.0248	.0254	.0260	.0269	.0272	.0278	.0285	.0291	.0298
36.0	.0240	.0246	.0251	.0257	.0263	.0273	.0276	.0282	.0289	.0295	.0302
36.2	.0243	.0249	.0255	.0261	.0267	.0277	.0279	.0286	.0293	.0299	.0306
36.4	.0247	.0252	.0258	.0264	.0270	.0277	.0283	.0290	.0296	.0303	.0310
36.6	.0250	.0256	.0262	.0268	.0274	.0280	.0287	.0293	.0300	.0307	.0314
36.8	.0253	.0259	.0265	.0271	.0277	.0284	.0291	.0297	.0304	.0311	.0318
37.0	.0256	.0262	.0268	.0275	.0281	.0288	.0294	.0301	.0308	.0315	.0323
37.2	.0260	.0266	.0272	.0278	.0285	.0291	.0298	.0305	.0312	.0320	.0327
37.4	.0263	.0269	.0276	.0282	.0289	.0295	.0302	.0309	.0316	.0324	.0331
37.6	.0267	.0273	.0279	.0286	.0292	.0299	.0306	.0313	.0320	.0328	.0336
37.8	.0270	.0276	.0283	.0289	.0296	.0303	.0310	.0317	.0325	.0332	.0340
38.0	.0274	.0280	.0287	.0293	.0300	.0307	.0314	.0321	.0329	.0337	.0344
38.2	.0277	.0284	.0290	.0297	.0304	.0311	.0318	.0326	.0333	.0341	.0349
38.4	.0281	.0287	.0294	.0301	.0308	.0315	.0322	.0330	.0338	.0345	.0354
38.6	.0284	.0291	.0298	.0305	.0312	.0319	.0327	.0334	.0342	.0350	.0358
38.8	.0288	.0295	.0302	.0309	.0316	.0323	.0331	.0339	.0346	.0355	.0363
39.0	.0292	.0299	.0306	.0313	.0320	.0328	.0335	.0343	.0351	.0359	.0367
39.2	.0296	.0303	.0310	.0317	.0324	.0332	.0340	.0347	.0356	.0364	.0372
39.4	.0300	.0307	.0314	.0321	.0328	.0336	.0344	.0352	.0360	.0369	.0377
39.6	.0303	.0310	.0318	.0325	.0333	.0340	.0348	.0356	.0365	.0373	.0382
39.8	.0307	.0315	.0322	.0330	.0337	.0345	.0353	.0361	.0369	.0378	.0387
40.0	.0311	.0319	.0326	.0334	.0341	.0349	.0357	.0366	.0374	.0383	.0392

TABLE A-1 CONTINUED

TEMP DEG C	5.40	5.41	5.42	5.43	5.44	5.45	5.46	5.47	5.48	5.49	5.50
0	00208	00213	00217	00223	00228	00233	00237	00243	00248	00254	00261
2	00211	00216	00221	00226	00231	00236	00241	00247	00252	00258	00266
4	00215	00220	00225	00230	00235	00240	00245	00251	00256	00262	00270
6	00218	00223	00228	00233	00238	00243	00248	00254	00259	00265	00273
8	00222	00227	00232	00237	00242	00247	00252	00258	00263	00269	00277
10	00226	00231	00236	00241	00246	00251	00256	00262	00267	00273	00281
12	00230	00235	00240	00245	00250	00255	00260	00266	00271	00277	00285
14	00234	00239	00244	00249	00254	00259	00264	00270	00275	00281	00289
16	00237	00242	00247	00252	00257	00262	00267	00273	00278	00284	00292
18	00241	00246	00251	00256	00261	00266	00271	00277	00282	00288	00296
20	00245	00250	00255	00260	00265	00270	00275	00281	00286	00292	00300
22	00250	00255	00260	00265	00270	00275	00280	00286	00291	00297	00305
24	00254	00259	00264	00269	00274	00279	00284	00290	00295	00301	00309
26	00258	00263	00268	00273	00278	00283	00288	00294	00299	00305	00313
28	00262	00267	00272	00277	00282	00287	00292	00298	00303	00309	00317
30	00267	00272	00277	00282	00287	00292	00297	00303	00308	00314	00322
32	00271	00276	00281	00286	00291	00296	00301	00307	00312	00318	00326
34	00276	00281	00286	00291	00296	00301	00306	00312	00317	00323	00331
36	00280	00285	00290	00295	00300	00305	00310	00316	00321	00327	00335
38	00285	00290	00295	00300	00305	00310	00315	00321	00326	00332	00340
40	00289	00294	00299	00304	00309	00314	00319	00325	00330	00336	00344
42	00294	00299	00304	00309	00314	00319	00324	00330	00335	00341	00349
44	00299	00304	00309	00314	00319	00324	00329	00335	00340	00346	00354
46	00304	00309	00314	00319	00324	00329	00334	00340	00345	00351	00359
48	00309	00314	00319	00324	00329	00334	00339	00345	00350	00356	00364
50	00314	00319	00324	00329	00334	00339	00344	00350	00355	00361	00369
52	00319	00324	00329	00334	00339	00344	00349	00355	00360	00366	00374
54	00324	00329	00334	00339	00344	00349	00354	00360	00365	00371	00379
56	00329	00334	00339	00344	00349	00354	00359	00365	00370	00376	00384
58	00334	00339	00344	00349	00354	00359	00364	00370	00375	00381	00389
60	00339	00344	00349	00354	00359	00364	00369	00375	00380	00386	00394
62	00344	00349	00354	00359	00364	00369	00374	00380	00385	00391	00399
64	00349	00354	00359	00364	00369	00374	00379	00385	00390	00396	00404
66	00354	00359	00364	00369	00374	00379	00384	00390	00395	00401	00409
68	00359	00364	00369	00374	00379	00384	00389	00395	00400	00406	00414
70	00364	00369	00374	00379	00384	00389	00394	00400	00405	00411	00419

TABLE A-1 CONTINUED

TEMP DEG C	5.40	5.41	5.42	5.43	5.44	5.45	5.46	5.47	5.48	5.49	5.50
7.0	00369	00378	00386	00395	00405	00414	00424	00433	00444	00454	00464
7.2	00375	00384	00393	00402	00411	00421	00430	00440	00451	00461	00472
7.4	00381	00390	00399	00408	00418	00427	00437	00446	00456	00466	00477
7.6	00387	00396	00405	00415	00424	00434	00444	00454	00464	00474	00485
7.8	00393	00402	00412	00421	00431	00441	00451	00461	00471	00481	00492
8.0	00400	00409	00418	00428	00438	00448	00458	00468	00478	00488	00499
8.2	00406	00415	00425	00435	00445	00456	00466	00477	00488	00499	00510
8.4	00412	00422	00432	00442	00452	00463	00474	00485	00496	00507	00518
8.6	00419	00429	00439	00449	00459	00470	00481	00492	00503	00514	00525
8.8	00426	00436	00446	00456	00467	00478	00489	00500	00511	00522	00533
9.0	00433	00443	00453	00463	00474	00485	00497	00508	00519	00530	00541
9.2	00439	00450	00460	00471	00482	00493	00505	00516	00528	00541	00553
9.4	00446	00457	00467	00478	00489	00501	00513	00524	00537	00550	00562
9.6	00453	00464	00475	00486	00497	00509	00521	00533	00545	00558	00571
9.8	00461	00471	00482	00494	00505	00517	00529	00541	00554	00567	00580
10.0	00468	00479	00490	00501	00513	00525	00537	00550	00563	00576	00589
10.2	00475	00486	00498	00509	00521	00533	00546	00558	00571	00585	00598
10.4	00483	00494	00506	00517	00529	00542	00554	00567	00580	00594	00608
10.6	00490	00502	00514	00525	00538	00550	00563	00576	00590	00603	00617
10.8	00506	00518	00530	00542	00555	00568	00581	00594	00608	00622	00637
11.0	00514	00526	00538	00551	00563	00577	00590	00604	00618	00632	00647
11.2	00522	00534	00546	00559	00572	00586	00599	00613	00627	00642	00657
11.4	00538	00551	00564	00577	00590	00604	00618	00632	00647	00662	00678
11.6	00547	00559	00572	00586	00599	00613	00628	00642	00657	00673	00688
11.8	00555	00568	00581	00595	00609	00623	00637	00652	00667	00683	00699
12.0	00564	00577	00590	00604	00618	00633	00647	00662	00678	00694	00710
12.2	00573	00586	00600	00614	00628	00642	00657	00673	00688	00704	00721
12.4	00581	00595	00609	00623	00638	00652	00668	00683	00699	00715	00732
12.6	00590	00604	00618	00633	00647	00662	00678	00694	00710	00726	00743
13.0	00600	00614	00628	00642	00657	00673	00688	00704	00721	00738	00755
13.2	00609	00623	00638	00652	00668	00683	00699	00715	00732	00749	00766
13.4	00618	00633	00647	00662	00678	00694	00710	00726	00743	00761	00778
13.6	00628	00642	00657	00673	00688	00704	00721	00737	00755	00772	00790
14.0	00637	00652	00667	00683	00699	00715	00732	00749	00766	00784	00802

TABLE A-1 CONTINUED

TEMP DEG C	5.40	5.41	5.42	5.43	5.44	5.45 PH	5.46	5.47	5.48	5.49	5.50
14.0	.00637	.00652	.00667	.00683	.00699	.00715	.00732	.00749	.00766	.00784	.00802
14.2	.00647	.00662	.00678	.00693	.00710	.00726	.00743	.00760	.00778	.00796	.00815
14.4	.00657	.00672	.00688	.00704	.00720	.00737	.00754	.00772	.00790	.00808	.00827
14.6	.00667	.00683	.00699	.00715	.00731	.00748	.00766	.00784	.00802	.00821	.00840
14.8	.00677	.00693	.00709	.00726	.00743	.00760	.00778	.00796	.00814	.00833	.00853
15.0	.00688	.00704	.00720	.00737	.00754	.00772	.00789	.00808	.00827	.00846	.00866
15.2	.00698	.00714	.00731	.00748	.00765	.00783	.00802	.00820	.00839	.00859	.00879
15.4	.00709	.00725	.00742	.00759	.00777	.00795	.00814	.00833	.00852	.00872	.00892
15.6	.00719	.00736	.00753	.00771	.00789	.00807	.00826	.00845	.00865	.00885	.00906
15.8	.00730	.00747	.00765	.00783	.00801	.00820	.00839	.00858	.00878	.00899	.00920
16.0	.00741	.00759	.00776	.00795	.00813	.00832	.00851	.00871	.00891	.00912	.00933
16.2	.00753	.00770	.00788	.00807	.00825	.00845	.00864	.00884	.00905	.00926	.00948
16.4	.00764	.00782	.00800	.00819	.00838	.00857	.00877	.00898	.00919	.00940	.00962
16.6	.00776	.00794	.00812	.00831	.00850	.00870	.00890	.00911	.00932	.00954	.00976
16.8	.00787	.00806	.00824	.00844	.00863	.00883	.00904	.00925	.00947	.00969	.00991
17.0	.00799	.00818	.00837	.00856	.00876	.00897	.00918	.00939	.00961	.00983	.01006
17.2	.00811	.00830	.00849	.00869	.00889	.00910	.00931	.00952	.00975	.00998	.01021
17.4	.00823	.00842	.00862	.00882	.00903	.00924	.00945	.00967	.00990	.01013	.01036
17.6	.00836	.00855	.00875	.00895	.00916	.00938	.00959	.00982	.01005	.01028	.01052
17.8	.00848	.00868	.00888	.00909	.00930	.00952	.00974	.00996	.01020	.01043	.01068
18.0	.00861	.00881	.00901	.00922	.00944	.00966	.00988	.01011	.01035	.01059	.01084
18.2	.00874	.00894	.00915	.00936	.00958	.00980	.01003	.01026	.01050	.01075	.01100
18.4	.00887	.00907	.00928	.00950	.00972	.00995	.01018	.01042	.01066	.01091	.01116
18.6	.00900	.00921	.00942	.00964	.00987	.01010	.01033	.01057	.01082	.01107	.01133
18.8	.00913	.00935	.00956	.00979	.01001	.01025	.01049	.01073	.01098	.01124	.01150
19.0	.00927	.00948	.00970	.00993	.01016	.01040	.01064	.01089	.01114	.01140	.01167
19.2	.00941	.00962	.00985	.01008	.01031	.01055	.01080	.01105	.01131	.01157	.01184
19.4	.00954	.00977	.00999	.01023	.01047	.01071	.01096	.01121	.01147	.01174	.01202
19.6	.00969	.00991	.01014	.01038	.01062	.01087	.01112	.01138	.01164	.01192	.01219
19.8	.00983	.01006	.01029	.01053	.01078	.01103	.01128	.01155	.01182	.01209	.01237
20.0	.00997	.01021	.01044	.01069	.01094	.01119	.01145	.01172	.01199	.01227	.01256
20.2	.0101	.0104	.0106	.0108	.0111	.0114	.0116	.0119	.0122	.0125	.0129
20.4	.0103	.0105	.0108	.0110	.0113	.0115	.0118	.0121	.0123	.0126	.0129
20.6	.0104	.0107	.0109	.0112	.0114	.0117	.0120	.0122	.0125	.0128	.0131
20.8	.0106	.0108	.0111	.0113	.0116	.0119	.0121	.0124	.0127	.0130	.0133
21.0	.0107	.0110	.0112	.0115	.0118	.0120	.0123	.0126	.0129	.0132	.0135

TABLE A-1 CONTINUED

TABLE PAGE 28

TEMP DEG C	5.40	5.41	5.42	5.43	5.44	PH 5.45	5.46	5.47	5.48	5.49	5.50
21.0	.0107	.0110	.0112	.0115	.0118	.0120	.0123	.0126	.0129	.0132	.0135
21.2	.0109	.0111	.0114	.0117	.0119	.0122	.0125	.0128	.0131	.0134	.0137
21.4	.0110	.0113	.0116	.0118	.0121	.0124	.0127	.0130	.0133	.0136	.0139
21.6	.0112	.0115	.0117	.0120	.0123	.0126	.0129	.0132	.0135	.0138	.0141
21.8	.0114	.0116	.0119	.0122	.0125	.0128	.0131	.0134	.0137	.0140	.0143
22.0	.0115	.0118	.0121	.0124	.0126	.0129	.0132	.0135	.0139	.0142	.0145
22.2	.0117	.0120	.0123	.0125	.0128	.0131	.0134	.0137	.0141	.0144	.0147
22.4	.0119	.0121	.0124	.0127	.0130	.0133	.0136	.0139	.0143	.0146	.0149
22.6	.0120	.0123	.0126	.0129	.0132	.0135	.0138	.0141	.0145	.0148	.0152
22.8	.0122	.0125	.0128	.0131	.0134	.0137	.0140	.0143	.0147	.0150	.0154
23.0	.0124	.0127	.0130	.0133	.0136	.0139	.0142	.0146	.0150	.0153	.0157
23.2	.0126	.0129	.0132	.0135	.0138	.0141	.0144	.0148	.0151	.0155	.0158
23.4	.0128	.0131	.0134	.0137	.0140	.0143	.0146	.0150	.0153	.0157	.0161
23.6	.0130	.0133	.0136	.0139	.0142	.0145	.0149	.0152	.0155	.0159	.0163
23.8	.0132	.0135	.0138	.0141	.0144	.0147	.0151	.0154	.0158	.0162	.0166
24.0	.0134	.0137	.0140	.0143	.0146	.0149	.0153	.0156	.0160	.0164	.0168
24.2	.0135	.0138	.0141	.0144	.0148	.0151	.0155	.0159	.0162	.0166	.0170
24.4	.0137	.0140	.0143	.0147	.0150	.0154	.0157	.0161	.0165	.0168	.0172
24.6	.0139	.0142	.0145	.0149	.0152	.0156	.0159	.0163	.0167	.0171	.0175
24.8	.0141	.0144	.0147	.0151	.0154	.0158	.0162	.0165	.0169	.0173	.0177
25.0	.0143	.0146	.0150	.0153	.0157	.0160	.0164	.0168	.0172	.0176	.0180
25.2	.0145	.0148	.0152	.0155	.0159	.0163	.0166	.0170	.0174	.0178	.0182
25.4	.0147	.0150	.0154	.0157	.0161	.0165	.0169	.0173	.0177	.0181	.0185
25.6	.0149	.0153	.0156	.0160	.0163	.0167	.0171	.0175	.0179	.0183	.0188
25.8	.0151	.0155	.0158	.0162	.0166	.0170	.0174	.0178	.0182	.0186	.0190
26.0	.0153	.0157	.0161	.0164	.0168	.0172	.0176	.0180	.0184	.0189	.0193
26.2	.0155	.0159	.0163	.0167	.0170	.0174	.0178	.0183	.0187	.0191	.0196
26.4	.0158	.0161	.0165	.0169	.0173	.0177	.0181	.0185	.0190	.0194	.0198
26.6	.0160	.0164	.0167	.0171	.0175	.0179	.0184	.0188	.0192	.0197	.0201
26.8	.0162	.0166	.0170	.0174	.0178	.0182	.0186	.0190	.0195	.0199	.0204
27.0	.0164	.0168	.0172	.0176	.0180	.0184	.0189	.0193	.0198	.0202	.0207
27.2	.0167	.0171	.0175	.0179	.0183	.0187	.0191	.0196	.0200	.0205	.0210
27.4	.0169	.0173	.0177	.0181	.0185	.0189	.0194	.0199	.0203	.0208	.0213
27.6	.0171	.0175	.0179	.0184	.0188	.0192	.0197	.0201	.0206	.0211	.0216
27.8	.0174	.0178	.0182	.0186	.0191	.0195	.0199	.0204	.0209	.0214	.0219
28.0	.0176	.0180	.0185	.0189	.0193	.0198	.0202	.0207	.0212	.0217	.0222

TABLE A-1 CONTINUED

TEMP DEG C	5.40	5.41	5.42	5.43	5.44	PH 5.45	5.46	5.47	5.48	5.49	5.50
28.0	.0176	.0180	.0185	.0189	.0193	.0198	.0202	.0207	.0212	.0217	.0222
28.2	.0179	.0183	.0187	.0191	.0196	.0200	.0205	.0210	.0215	.0220	.0225
28.4	.0181	.0185	.0190	.0194	.0199	.0203	.0208	.0213	.0218	.0223	.0228
28.6	.0184	.0188	.0192	.0197	.0201	.0206	.0211	.0216	.0221	.0226	.0231
28.8	.0186	.0191	.0195	.0200	.0204	.0209	.0214	.0219	.0224	.0229	.0234
29.0	.0189	.0193	.0198	.0202	.0207	.0212	.0217	.0222	.0227	.0232	.0238
29.2	.0191	.0196	.0200	.0205	.0210	.0215	.0220	.0225	.0230	.0235	.0241
29.4	.0194	.0199	.0203	.0208	.0213	.0218	.0223	.0228	.0233	.0239	.0244
29.6	.0197	.0201	.0206	.0211	.0216	.0221	.0226	.0231	.0237	.0242	.0248
29.8	.0199	.0204	.0209	.0214	.0219	.0224	.0229	.0234	.0240	.0245	.0251
30.0	.0202	.0207	.0212	.0217	.0222	.0227	.0232	.0238	.0243	.0249	.0255
30.2	.0205	.0210	.0215	.0220	.0225	.0230	.0235	.0241	.0246	.0252	.0258
30.4	.0208	.0213	.0218	.0223	.0228	.0233	.0238	.0244	.0249	.0255	.0262
30.6	.0211	.0216	.0221	.0226	.0231	.0236	.0241	.0247	.0253	.0259	.0266
30.8	.0214	.0219	.0224	.0229	.0234	.0240	.0245	.0251	.0257	.0263	.0270
31.0	.0216	.0222	.0227	.0232	.0237	.0243	.0249	.0254	.0260	.0266	.0273
31.2	.0219	.0225	.0230	.0235	.0241	.0246	.0252	.0258	.0264	.0270	.0276
31.4	.0222	.0228	.0233	.0238	.0244	.0250	.0255	.0261	.0267	.0274	.0280
31.6	.0225	.0231	.0236	.0241	.0247	.0253	.0259	.0265	.0271	.0277	.0284
31.8	.0229	.0234	.0239	.0244	.0250	.0256	.0262	.0268	.0274	.0280	.0287
32.0	.0232	.0237	.0243	.0248	.0254	.0260	.0266	.0272	.0278	.0285	.0292
32.2	.0235	.0240	.0246	.0252	.0257	.0263	.0270	.0276	.0282	.0289	.0296
32.4	.0238	.0243	.0249	.0255	.0261	.0267	.0273	.0279	.0286	.0293	.0300
32.6	.0241	.0247	.0253	.0259	.0265	.0271	.0277	.0283	.0290	.0297	.0304
32.8	.0244	.0250	.0256	.0262	.0268	.0274	.0280	.0287	.0294	.0301	.0308
33.0	.0248	.0254	.0259	.0265	.0272	.0278	.0284	.0291	.0298	.0305	.0312
33.2	.0251	.0257	.0263	.0269	.0275	.0282	.0288	.0295	.0302	.0309	.0316
33.4	.0254	.0260	.0266	.0273	.0279	.0286	.0292	.0299	.0306	.0313	.0320
33.6	.0258	.0264	.0270	.0276	.0283	.0289	.0296	.0303	.0310	.0317	.0325
33.8	.0261	.0267	.0274	.0280	.0287	.0293	.0300	.0307	.0314	.0322	.0330
34.0	.0265	.0271	.0277	.0284	.0290	.0297	.0304	.0311	.0318	.0326	.0333
34.2	.0268	.0275	.0281	.0288	.0294	.0301	.0308	.0315	.0323	.0330	.0338
34.4	.0272	.0278	.0285	.0291	.0298	.0305	.0312	.0320	.0327	.0335	.0342
34.6	.0276	.0282	.0289	.0295	.0302	.0309	.0316	.0324	.0331	.0339	.0347
34.8	.0279	.0286	.0292	.0299	.0306	.0313	.0320	.0328	.0336	.0344	.0352
35.0	.0283	.0290	.0296	.0303	.0310	.0318	.0325	.0333	.0340	.0348	.0356

TABLE A-1 CONTINUED

TABLE PAGE 30

TEMP DEG C	5.40	5.41	5.42	5.43	5.44	5.45	5.46	5.47	5.48	5.49	5.50
35.0	.0283	.0290	.0296	.0303	.0310	.0318	.0325	.0333	.0340	.0348	.0356
35.2	.0287	.0293	.0300	.0307	.0314	.0322	.0329	.0337	.0345	.0353	.0361
35.4	.0291	.0297	.0304	.0311	.0319	.0326	.0334	.0341	.0349	.0357	.0366
35.6	.0294	.0301	.0308	.0316	.0323	.0330	.0338	.0346	.0354	.0362	.0371
35.8	.0298	.0305	.0312	.0320	.0327	.0335	.0343	.0351	.0359	.0367	.0376
36.0	.0302	.0309	.0317	.0324	.0331	.0339	.0347	.0355	.0363	.0372	.0381
36.2	.0306	.0313	.0321	.0328	.0336	.0344	.0352	.0360	.0368	.0377	.0386
36.4	.0310	.0318	.0325	.0333	.0340	.0348	.0356	.0365	.0373	.0382	.0391
36.6	.0314	.0322	.0329	.0337	.0345	.0353	.0361	.0369	.0378	.0387	.0396
36.8	.0319	.0326	.0334	.0341	.0349	.0357	.0366	.0374	.0383	.0392	.0401
37.0	.0323	.0330	.0338	.0346	.0354	.0362	.0371	.0379	.0388	.0397	.0406
37.2	.0327	.0335	.0342	.0350	.0359	.0367	.0375	.0384	.0393	.0402	.0412
37.4	.0331	.0339	.0347	.0355	.0363	.0372	.0380	.0389	.0398	.0408	.0417
37.6	.0336	.0343	.0351	.0360	.0368	.0377	.0385	.0394	.0404	.0413	.0423
37.8	.0340	.0348	.0356	.0364	.0373	.0382	.0390	.0399	.0409	.0418	.0428
38.0	.0344	.0353	.0361	.0369	.0378	.0387	.0396	.0405	.0414	.0424	.0434
38.2	.0349	.0357	.0365	.0374	.0383	.0392	.0401	.0410	.0420	.0429	.0439
38.4	.0354	.0362	.0370	.0379	.0388	.0397	.0406	.0415	.0425	.0435	.0445
38.6	.0358	.0366	.0375	.0384	.0393	.0402	.0411	.0421	.0431	.0441	.0451
38.8	.0363	.0371	.0380	.0389	.0398	.0407	.0417	.0426	.0436	.0446	.0457
39.0	.0367	.0376	.0385	.0394	.0403	.0412	.0422	.0432	.0442	.0452	.0463
39.2	.0372	.0381	.0390	.0399	.0408	.0418	.0427	.0437	.0448	.0458	.0469
39.4	.0377	.0386	.0395	.0404	.0413	.0423	.0433	.0443	.0453	.0464	.0475
39.6	.0382	.0391	.0400	.0409	.0419	.0429	.0439	.0449	.0459	.0470	.0481
39.8	.0387	.0396	.0405	.0415	.0424	.0434	.0444	.0455	.0465	.0476	.0487
40.0	.0392	.0401	.0410	.0420	.0430	.0440	.0450	.0460	.0471	.0482	.0493

TABLE A-1 CONTINUED

TEMP DEG C	5.50	5.51	5.52	5.53	5.54	5.55	PH	5.56	5.57	5.58	5.59	5.60
0	.00261	.00268	.00274	.00280	.00287	.00293		.00300	.00307	.00314	.00322	.00329
.2	.00266	.00272	.00278	.00285	.00292	.00298		.00305	.00312	.00320	.00327	.00335
.4	.00270	.00277	.00283	.00290	.00296	.00303		.00310	.00318	.00325	.00333	.00340
.6	.00275	.00281	.00288	.00295	.00302	.00309		.00316	.00323	.00331	.00338	.00346
.8	.00280	.00286	.00293	.00300	.00307	.00314		.00321	.00329	.00336	.00344	.00352
1.0	.00284	.00291	.00298	.00305	.00312	.00319		.00326	.00334	.00342	.00350	.00358
1.2	.00289	.00296	.00303	.00310	.00317	.00324		.00332	.00340	.00348	.00356	.00364
1.4	.00294	.00301	.00308	.00315	.00322	.00330		.00338	.00345	.00353	.00362	.00370
1.6	.00299	.00306	.00313	.00320	.00328	.00335		.00343	.00351	.00359	.00368	.00376
1.8	.00304	.00311	.00318	.00326	.00333	.00341		.00349	.00357	.00365	.00374	.00383
2.0	.00309	.00316	.00324	.00331	.00339	.00347		.00355	.00363	.00372	.00380	.00389
2.2	.00314	.00322	.00329	.00337	.00345	.00353		.00361	.00369	.00378	.00387	.00396
2.4	.00319	.00327	.00335	.00342	.00350	.00358		.00367	.00375	.00384	.00393	.00402
2.6	.00325	.00333	.00340	.00348	.00356	.00364		.00373	.00382	.00390	.00400	.00409
2.8	.00330	.00338	.00346	.00354	.00362	.00370		.00379	.00388	.00397	.00406	.00416
3.0	.00336	.00343	.00351	.00360	.00368	.00377		.00385	.00394	.00404	.00413	.00423
3.2	.00341	.00349	.00357	.00366	.00374	.00383		.00392	.00401	.00410	.00420	.00430
3.4	.00347	.00355	.00363	.00372	.00380	.00389		.00398	.00408	.00417	.00427	.00437
3.6	.00353	.00361	.00369	.00378	.00387	.00396		.00405	.00414	.00424	.00434	.00444
3.8	.00358	.00367	.00375	.00384	.00393	.00402		.00412	.00421	.00431	.00441	.00451
4.0	.00364	.00373	.00382	.00390	.00400	.00409		.00418	.00428	.00438	.00448	.00459
4.2	.00370	.00379	.00388	.00397	.00406	.00416		.00425	.00435	.00445	.00456	.00466
4.4	.00376	.00385	.00394	.00403	.00413	.00422		.00432	.00442	.00453	.00463	.00474
4.6	.00383	.00392	.00401	.00410	.00420	.00429		.00439	.00450	.00460	.00471	.00482
4.8	.00389	.00398	.00407	.00417	.00426	.00436		.00447	.00457	.00468	.00479	.00490
5.0	.00395	.00405	.00414	.00424	.00433	.00444		.00454	.00464	.00475	.00486	.00498
5.2	.00402	.00411	.00421	.00431	.00441	.00451		.00461	.00472	.00483	.00494	.00506
5.4	.00408	.00418	.00428	.00438	.00448	.00458		.00469	.00480	.00491	.00502	.00514
5.6	.00415	.00425	.00435	.00445	.00455	.00466		.00477	.00488	.00499	.00511	.00522
5.8	.00422	.00432	.00442	.00452	.00462	.00473		.00484	.00496	.00507	.00519	.00531
6.0	.00429	.00439	.00449	.00459	.00469	.00481		.00492	.00504	.00515	.00527	.00540
6.2	.00436	.00446	.00456	.00467	.00478	.00489		.00500	.00512	.00524	.00536	.00548
6.4	.00443	.00453	.00464	.00474	.00485	.00497		.00508	.00520	.00532	.00545	.00557
6.6	.00450	.00460	.00471	.00482	.00493	.00505		.00516	.00529	.00541	.00553	.00566
6.8	.00457	.00468	.00479	.00490	.00501	.00513		.00525	.00537	.00550	.00562	.00575
7.0	.00464	.00475	.00486	.00498	.00509	.00521		.00533	.00546	.00558	.00571	.00585

TABLE A-1 CONTINUED

TABLE PAGE 32

TEMP DEG C	5.50	5.51	5.52	5.53	5.54	5.55	PH	5.56	5.57	5.58	5.59	5.60
7.0	.00464	.00475	.00486	.00498	.00509	.00521	.00533	.00546	.00558	.00571	.00585	
7.2	.00472	.00483	.00494	.00506	.00518	.00530	.00542	.00555	.00567	.00581	.00594	
7.4	.00480	.00491	.00502	.00514	.00526	.00538	.00551	.00563	.00577	.00590	.00604	
7.6	.00487	.00499	.00510	.00522	.00534	.00547	.00559	.00573	.00586	.00599	.00613	
7.8	.00495	.00507	.00518	.00531	.00543	.00556	.00568	.00582	.00595	.00609	.00623	
8.0	.00503	.00515	.00527	.00539	.00552	.00564	.00578	.00591	.00605	.00619	.00633	
8.2	.00511	.00523	.00535	.00548	.00560	.00573	.00587	.00601	.00614	.00629	.00643	
8.4	.00519	.00531	.00544	.00556	.00569	.00583	.00596	.00610	.00624	.00639	.00654	
8.6	.00528	.00540	.00552	.00565	.00578	.00592	.00606	.00620	.00634	.00649	.00664	
8.8	.00536	.00548	.00561	.00574	.00588	.00601	.00615	.00630	.00644	.00659	.00675	
9.0	.00545	.00557	.00570	.00583	.00597	.00611	.00625	.00640	.00655	.00670	.00685	
9.2	.00553	.00566	.00579	.00593	.00607	.00621	.00635	.00650	.00665	.00681	.00696	
9.4	.00562	.00575	.00588	.00602	.00616	.00631	.00645	.00660	.00676	.00691	.00707	
9.6	.00571	.00584	.00597	.00612	.00626	.00641	.00655	.00671	.00686	.00702	.00719	
9.8	.00580	.00593	.00607	.00621	.00636	.00651	.00666	.00681	.00697	.00713	.00730	
10.0	.00589	.00603	.00617	.00631	.00646	.00661	.00676	.00692	.00708	.00725	.00742	
10.2	.00598	.00612	.00627	.00641	.00656	.00671	.00687	.00703	.00719	.00736	.00753	
10.4	.00608	.00622	.00636	.00651	.00666	.00682	.00698	.00714	.00731	.00748	.00765	
10.6	.00617	.00632	.00646	.00662	.00677	.00693	.00709	.00725	.00742	.00759	.00777	
10.8	.00627	.00642	.00657	.00672	.00688	.00704	.00720	.00737	.00754	.00771	.00789	
11.0	.00637	.00652	.00667	.00682	.00698	.00715	.00731	.00748	.00766	.00784	.00802	
11.2	.00647	.00662	.00677	.00693	.00709	.00726	.00743	.00760	.00778	.00796	.00814	
11.4	.00657	.00673	.00689	.00704	.00720	.00737	.00754	.00772	.00790	.00808	.00827	
11.6	.00667	.00683	.00699	.00715	.00732	.00749	.00766	.00784	.00802	.00821	.00840	
11.8	.00678	.00693	.00710	.00726	.00743	.00760	.00778	.00796	.00815	.00834	.00853	
12.0	.00688	.00704	.00721	.00737	.00755	.00772	.00790	.00809	.00827	.00847	.00866	
12.2	.00699	.00715	.00732	.00749	.00766	.00784	.00802	.00821	.00840	.00860	.00880	
12.4	.00710	.00726	.00743	.00761	.00778	.00796	.00815	.00834	.00853	.00873	.00894	
12.6	.00721	.00738	.00755	.00772	.00790	.00809	.00828	.00847	.00867	.00887	.00907	
12.8	.00732	.00749	.00766	.00784	.00803	.00821	.00840	.00860	.00880	.00901	.00922	
13.0	.00743	.00761	.00778	.00796	.00815	.00834	.00853	.00873	.00894	.00914	.00936	
13.2	.00755	.00772	.00790	.00809	.00828	.00847	.00867	.00887	.00907	.00929	.00950	
13.4	.00766	.00784	.00803	.00821	.00840	.00860	.00880	.00900	.00921	.00943	.00965	
13.6	.00778	.00796	.00815	.00834	.00853	.00873	.00894	.00914	.00936	.00957	.00980	
13.8	.00790	.00809	.00827	.00847	.00866	.00887	.00907	.00928	.00950	.00972	.00995	
14.0	.00802	.00821	.00840	.00860	.00880	.00900	.00921	.00943	.00965	.00987	.01010	

TABLE A-1 CONTINUED

TABLE PAGE 33

TEMP DEG C	5.50	5.51	5.52	5.53	5.54	5.55	PH	5.56	5.57	5.58	5.59	5.60
14.0	.00802	.00821	.00840	.00860	.00880	.00900		.00921	.00942	.00965	.00987	.01010
14.2	.00815	.00834	.00853	.00873	.00893	.00914		.00935	.00957	.00979	.01001	.01026
14.4	.00827	.00846	.00866	.00886	.00907	.00928		.00950	.00972	.00994	.01016	.01041
14.6	.00840	.00859	.00879	.00899	.00921	.00942		.00964	.00987	.01010	.01033	.01057
14.8	.00853	.00873	.00893	.00914	.00935	.00957		.00979	.01002	.01025	.01049	.01073
15.0	.00866	.00886	.00906	.00928	.00949	.00971		.00994	.01017	.01041	.01065	.01090
15.2	.00879	.00899	.00920	.00942	.00964	.00986		.01009	.01033	.01057	.01081	.01106
15.4	.00892	.00913	.00934	.00956	.00978	.01001		.01024	.01048	.01073	.01098	.01123
15.6	.00906	.00927	.00948	.00971	.00993	.01016		.01040	.01064	.01089	.01114	.01139
15.8	.00920	.00941	.00963	.00985	.01008	.01032		.01056	.01080	.01105	.01131	.01158
16.0	.00933	.00955	.00977	.01000	.01024	.01047		.01072	.01097	.01122	.01148	.01175
16.2	.00948	.00970	.00992	.01015	.01039	.01063		.01088	.01113	.01139	.01166	.01193
16.4	.00962	.00984	.01007	.01031	.01055	.01079		.01104	.01130	.01156	.01183	.01210
16.6	.00976	.00999	.01023	.01046	.01071	.01096		.01121	.01147	.01174	.01201	.01228
16.8	.00991	.01014	.01038	.01062	.01087	.01113		.01136	.01164	.01192	.01220	.01247
17.0	.0101	.0103	.0105	.0108	.0110	.0113		.0116	.0118	.0121	.0124	.0127
17.2	.0102	.0104	.0107	.0109	.0112	.0115		.0117	.0120	.0123	.0126	.0129
17.4	.0104	.0106	.0109	.0111	.0114	.0116		.0119	.0121	.0125	.0128	.0130
17.6	.0105	.0108	.0110	.0113	.0115	.0118		.0121	.0124	.0126	.0129	.0132
17.8	.0107	.0109	.0112	.0114	.0117	.0120		.0123	.0125	.0128	.0131	.0134
18.0	.0108	.0111	.0113	.0116	.0119	.0122		.0124	.0127	.0130	.0133	.0136
18.2	.0110	.0113	.0115	.0118	.0122	.0125		.0128	.0131	.0134	.0137	.0138
18.4	.0112	.0114	.0117	.0120	.0122	.0127		.0130	.0133	.0136	.0139	.0141
18.6	.0113	.0116	.0119	.0121	.0124	.0129		.0132	.0135	.0138	.0141	.0143
18.8	.0115	.0118	.0120	.0123	.0126	.0131		.0134	.0137	.0140	.0144	.0145
19.0	.0117	.0119	.0122	.0125	.0128	.0131		.0134	.0137	.0140	.0144	.0147
19.2	.0118	.0121	.0124	.0127	.0130	.0133		.0136	.0139	.0142	.0146	.0149
19.4	.0120	.0123	.0126	.0129	.0132	.0135		.0138	.0141	.0144	.0148	.0151
19.6	.0122	.0125	.0128	.0131	.0134	.0137		.0140	.0143	.0147	.0150	.0153
19.8	.0124	.0127	.0130	.0133	.0136	.0141		.0144	.0148	.0151	.0154	.0156
20.0	.0126	.0128	.0131	.0135	.0138	.0141		.0144	.0148	.0151	.0154	.0158
20.2	.0129	.0130	.0133	.0137	.0140	.0143		.0146	.0150	.0153	.0157	.0160
20.4	.0131	.0132	.0135	.0139	.0142	.0145		.0148	.0152	.0155	.0159	.0163
20.6	.0133	.0134	.0137	.0141	.0144	.0147		.0150	.0154	.0158	.0161	.0165
20.8	.0135	.0136	.0139	.0143	.0146	.0149		.0152	.0156	.0160	.0164	.0168
21.0	.0137	.0138	.0141	.0145	.0148	.0152		.0155	.0159	.0162	.0166	.0170

TABLE A-1 CONTINUED

TABLE PAGE 34

TEMP DEG C	5.50	5.51	5.52	5.53	5.54	PH 5.55	5.56	5.57	5.58	5.59	5.60
21.0	.0135	.0138	.0141	.0145	.0148	.0152	.0155	.0159	.0162	.0166	.0170
21.2	.0137	.0140	.0143	.0147	.0150	.0154	.0157	.0161	.0165	.0169	.0172
21.4	.0139	.0142	.0146	.0149	.0152	.0156	.0160	.0163	.0167	.0171	.0175
21.6	.0141	.0144	.0148	.0151	.0155	.0159	.0164	.0168	.0172	.0176	.0180
21.8	.0143	.0146	.0150	.0153	.0157	.0161	.0166	.0171	.0175	.0179	.0183
22.0	.0145	.0149	.0152	.0156	.0159	.0163	.0167	.0171	.0175	.0179	.0183
22.2	.0147	.0151	.0154	.0158	.0161	.0165	.0169	.0173	.0177	.0181	.0185
22.4	.0149	.0153	.0156	.0160	.0164	.0168	.0172	.0176	.0180	.0184	.0188
22.6	.0152	.0155	.0159	.0162	.0166	.0170	.0174	.0178	.0182	.0186	.0190
22.8	.0154	.0157	.0161	.0165	.0169	.0173	.0177	.0181	.0185	.0189	.0193
23.0	.0156	.0160	.0163	.0167	.0171	.0175	.0179	.0183	.0188	.0192	.0200
23.2	.0158	.0162	.0166	.0170	.0174	.0178	.0182	.0186	.0190	.0195	.0205
23.4	.0161	.0164	.0168	.0172	.0176	.0180	.0184	.0188	.0192	.0197	.0208
23.6	.0163	.0167	.0170	.0174	.0178	.0183	.0187	.0191	.0195	.0200	.0211
23.8	.0165	.0169	.0173	.0177	.0181	.0185	.0190	.0194	.0199	.0203	.0215
24.0	.0168	.0171	.0175	.0180	.0184	.0188	.0192	.0197	.0201	.0206	.0221
24.2	.0170	.0174	.0178	.0182	.0186	.0191	.0195	.0200	.0204	.0209	.0226
24.4	.0172	.0176	.0180	.0185	.0189	.0193	.0198	.0203	.0207	.0212	.0230
24.6	.0175	.0179	.0183	.0187	.0192	.0196	.0201	.0205	.0210	.0215	.0233
24.8	.0177	.0181	.0186	.0190	.0194	.0199	.0204	.0208	.0213	.0218	.0236
25.0	.0180	.0184	.0188	.0193	.0197	.0202	.0206	.0211	.0216	.0221	.0243
25.2	.0185	.0189	.0191	.0195	.0200	.0205	.0209	.0214	.0219	.0228	.0250
25.4	.0188	.0192	.0194	.0198	.0203	.0208	.0212	.0217	.0222	.0231	.0253
25.6	.0190	.0195	.0196	.0201	.0206	.0211	.0215	.0220	.0225	.0234	.0257
25.8	.0193	.0197	.0199	.0204	.0209	.0213	.0218	.0223	.0228	.0237	.0261
26.0	.0196	.0200	.0202	.0207	.0212	.0217	.0222	.0227	.0232	.0241	.0264
26.2	.0198	.0203	.0205	.0210	.0215	.0220	.0225	.0230	.0235	.0244	.0268
26.4	.0201	.0206	.0208	.0213	.0218	.0223	.0228	.0233	.0238	.0248	.0271
26.6	.0204	.0209	.0211	.0216	.0221	.0226	.0231	.0236	.0241	.0251	.0275
26.8	.0207	.0212	.0214	.0219	.0224	.0229	.0234	.0239	.0244	.0255	.0279
27.0	.0210	.0215	.0217	.0222	.0227	.0232	.0238	.0243	.0249	.0258	.0281
27.2	.0213	.0218	.0220	.0225	.0230	.0235	.0241	.0247	.0252	.0262	.0285
27.4	.0216	.0221	.0223	.0228	.0233	.0238	.0244	.0250	.0255	.0265	.0288
27.6	.0219	.0224	.0226	.0231	.0236	.0241	.0247	.0253	.0258	.0268	.0291
27.8	.0222	.0227	.0229	.0234	.0239	.0244	.0250	.0256	.0261	.0271	.0294

TABLE A-1 CONTINUED

TABLE PAGE 35

TEMP DEG C	5.50	5.51	5.52	5.53	5.54	PH 5.55	5.56	5.57	5.58	5.59	5.60
28.0	0.222	0.227	0.232	0.238	0.243	0.249	0.255	0.261	0.267	0.273	0.279
28.4	0.225	0.230	0.236	0.241	0.247	0.252	0.258	0.264	0.270	0.277	0.283
28.8	0.228	0.233	0.239	0.244	0.250	0.256	0.262	0.268	0.274	0.281	0.287
29.0	0.234	0.240	0.245	0.251	0.257	0.263	0.269	0.275	0.282	0.288	0.295
29.0	0.238	0.243	0.249	0.255	0.261	0.267	0.273	0.279	0.286	0.292	0.299
29.4	0.241	0.247	0.252	0.258	0.264	0.270	0.277	0.283	0.290	0.296	0.303
29.6	0.244	0.250	0.256	0.262	0.268	0.274	0.281	0.287	0.294	0.301	0.308
29.8	0.251	0.257	0.263	0.269	0.275	0.282	0.288	0.295	0.302	0.309	0.316
30.0	0.255	0.260	0.267	0.273	0.279	0.286	0.292	0.299	0.306	0.313	0.320
30.4	0.258	0.264	0.270	0.277	0.283	0.290	0.296	0.303	0.310	0.317	0.324
30.6	0.262	0.268	0.274	0.280	0.287	0.294	0.300	0.307	0.315	0.322	0.329
30.8	0.269	0.275	0.281	0.288	0.295	0.302	0.309	0.316	0.323	0.331	0.338
31.0	0.273	0.279	0.285	0.292	0.299	0.306	0.313	0.320	0.328	0.335	0.343
31.4	0.276	0.283	0.289	0.296	0.303	0.310	0.317	0.325	0.332	0.340	0.348
31.6	0.280	0.287	0.293	0.300	0.307	0.314	0.321	0.329	0.337	0.344	0.352
31.8	0.288	0.294	0.301	0.308	0.315	0.322	0.330	0.338	0.346	0.354	0.362
32.0	0.292	0.298	0.305	0.312	0.320	0.327	0.335	0.343	0.351	0.359	0.367
32.4	0.296	0.302	0.309	0.317	0.324	0.332	0.339	0.347	0.355	0.364	0.372
32.6	0.300	0.307	0.314	0.321	0.328	0.336	0.344	0.352	0.360	0.369	0.377
32.8	0.308	0.315	0.322	0.330	0.337	0.345	0.353	0.362	0.370	0.379	0.387
33.0	0.312	0.319	0.327	0.334	0.342	0.350	0.358	0.366	0.375	0.384	0.393
33.4	0.316	0.323	0.331	0.339	0.347	0.355	0.363	0.371	0.380	0.389	0.398
33.6	0.320	0.328	0.335	0.343	0.351	0.359	0.368	0.376	0.385	0.394	0.403
33.8	0.329	0.337	0.344	0.353	0.361	0.369	0.378	0.387	0.396	0.405	0.414
34.0	0.333	0.341	0.349	0.357	0.366	0.374	0.383	0.392	0.401	0.410	0.419
34.4	0.338	0.346	0.354	0.362	0.370	0.379	0.388	0.397	0.406	0.416	0.425
34.6	0.342	0.350	0.359	0.367	0.375	0.384	0.393	0.402	0.412	0.421	0.431
34.8	0.352	0.360	0.368	0.377	0.386	0.395	0.404	0.413	0.423	0.432	0.441
35.0	0.356	0.365	0.373	0.382	0.391	0.400	0.409	0.419	0.428	0.438	0.448

TABLE A-1 CONTINUED

TABLE PAGE 36

TEMP DEG C	5.50	5.51	5.52	5.53	5.54	PH 5.55	5.56	5.57	5.58	5.59	5.60
35.0	.0356	.0365	.0373	.0382	.0391	.0400	.0409	.0419	.0428	.0438	.0448
35.2	.0361	.0369	.0378	.0387	.0396	.0405	.0414	.0424	.0434	.0444	.0454
35.4	.0366	.0374	.0383	.0392	.0401	.0410	.0420	.0430	.0440	.0450	.0460
35.6	.0371	.0379	.0388	.0397	.0406	.0416	.0426	.0435	.0446	.0456	.0467
35.8	.0376	.0384	.0393	.0402	.0412	.0421	.0431	.0441	.0452	.0462	.0473
36.0	.0381	.0389	.0398	.0408	.0417	.0427	.0437	.0447	.0457	.0468	.0479
36.2	.0386	.0395	.0404	.0413	.0423	.0433	.0443	.0453	.0464	.0474	.0485
36.4	.0391	.0400	.0409	.0419	.0428	.0438	.0449	.0459	.0470	.0481	.0492
36.6	.0396	.0405	.0414	.0424	.0434	.0444	.0454	.0465	.0476	.0487	.0498
36.8	.0401	.0410	.0420	.0430	.0440	.0450	.0460	.0471	.0482	.0493	.0505
37.0	.0406	.0416	.0425	.0435	.0446	.0456	.0466	.0477	.0488	.0500	.0511
37.2	.0412	.0421	.0431	.0441	.0451	.0462	.0473	.0484	.0495	.0506	.0518
37.4	.0417	.0427	.0437	.0447	.0457	.0468	.0479	.0490	.0501	.0513	.0525
37.6	.0423	.0432	.0442	.0453	.0463	.0474	.0485	.0496	.0508	.0520	.0532
37.8	.0428	.0438	.0448	.0459	.0469	.0480	.0491	.0503	.0515	.0527	.0539
38.0	.0434	.0444	.0454	.0465	.0475	.0487	.0498	.0509	.0521	.0533	.0546
38.2	.0439	.0450	.0460	.0471	.0482	.0493	.0504	.0516	.0528	.0540	.0553
38.4	.0445	.0455	.0466	.0477	.0488	.0499	.0511	.0523	.0535	.0547	.0560
38.6	.0451	.0461	.0472	.0483	.0494	.0506	.0518	.0530	.0542	.0555	.0567
38.8	.0457	.0467	.0478	.0489	.0501	.0512	.0524	.0537	.0549	.0562	.0575
39.0	.0463	.0473	.0484	.0496	.0507	.0519	.0531	.0543	.0556	.0569	.0582
39.2	.0469	.0480	.0491	.0502	.0514	.0526	.0538	.0551	.0563	.0576	.0590
39.4	.0475	.0486	.0497	.0509	.0520	.0533	.0545	.0558	.0571	.0584	.0598
39.6	.0481	.0492	.0503	.0515	.0527	.0539	.0552	.0565	.0578	.0591	.0605
39.8	.0487	.0498	.0510	.0522	.0534	.0546	.0559	.0572	.0585	.0599	.0613
40.0	.0493	.0505	.0517	.0529	.0541	.0553	.0566	.0580	.0593	.0607	.0621

TABLE A-1 CONTINUED

TABLE PAGE 37

TEMP DEG C	5.60	5.61	5.62	5.63	5.64	5.65	5.66	5.67	5.68	5.69	5.70
0	00329	00337	00345	00353	00361	00369	00378	00387	00396	00405	00414
1	00335	00343	00351	00359	00367	00376	00384	00393	00402	00412	00421
2	00340	00348	00356	00365	00373	00382	00391	00400	00409	00419	00429
3	00346	00354	00362	00371	00380	00388	00397	00407	00416	00426	00436
4	00352	00360	00369	00377	00386	00395	00404	00414	00423	00433	00443
5	00358	00366	00375	00384	00393	00402	00411	00421	00430	00440	00451
6	00364	00372	00381	00390	00399	00408	00418	00428	00438	00448	00458
7	00370	00379	00388	00397	00406	00415	00425	00435	00445	00455	00466
8	00376	00385	00394	00403	00412	00422	00432	00442	00452	00463	00474
9	00383	00392	00401	00410	00419	00429	00439	00449	00459	00469	00480
10	00389	00398	00407	00417	00427	00437	00447	00457	00468	00479	00490
11	00396	00405	00414	00424	00434	00444	00454	00465	00476	00487	00498
12	00402	00412	00421	00431	00441	00451	00462	00473	00484	00495	00506
13	00409	00418	00428	00438	00448	00459	00469	00480	00492	00503	00515
14	00416	00425	00435	00445	00456	00466	00477	00488	00500	00511	00523
15	00423	00432	00443	00453	00463	00474	00485	00496	00508	00520	00532
16	00430	00440	00450	00460	00471	00482	00493	00505	00516	00529	00541
17	00437	00447	00457	00468	00479	00490	00501	00513	00525	00537	00550
18	00444	00454	00465	00476	00487	00498	00510	00522	00534	00546	00559
19	00451	00462	00473	00484	00495	00506	00518	00530	00543	00555	00568
20	00459	00469	00480	00492	00503	00515	00527	00539	00552	00564	00578
21	00466	00477	00488	00500	00511	00523	00535	00548	00561	00574	00587
22	00474	00485	00496	00508	00520	00532	00544	00557	00570	00583	00597
23	00482	00493	00504	00516	00528	00541	00553	00566	00579	00592	00606
24	00490	00501	00513	00525	00537	00549	00562	00575	00589	00602	00616
25	00498	00509	00521	00533	00546	00558	00571	00585	00598	00612	00627
26	00506	00518	00530	00542	00555	00568	00581	00594	00608	00622	00637
27	00514	00526	00538	00551	00564	00577	00590	00604	00618	00632	00647
28	00522	00535	00547	00560	00573	00586	00600	00614	00628	00643	00658
29	00531	00544	00556	00569	00582	00596	00610	00624	00639	00654	00670
30	00540	00552	00565	00578	00592	00605	00620	00634	00649	00664	00679
31	00548	00561	00574	00588	00601	00615	00630	00644	00659	00675	00690
32	00557	00570	00584	00597	00611	00625	00640	00655	00670	00686	00702
33	00566	00579	00593	00607	00621	00635	00650	00665	00681	00697	00713
34	00575	00589	00603	00617	00631	00646	00661	00676	00692	00708	00725
35	00585	00598	00612	00627	00641	00656	00671	00687	00703	00719	00736

TABLE A-1 CONTINUED

TABLE PAGE 38

TEMP DEG C	5.60	5.61	5.62	5.63	5.64	PH 5.65	5.66	5.67	5.68	5.69	5.70
7.0	.00585	.00598	.00612	.00627	.00641	.00656	.00671	.00687	.00703	.00719	.00736
7.2	.00594	.00608	.00622	.00637	.00652	.00667	.00682	.00698	.00714	.00731	.00748
7.4	.00604	.00618	.00632	.00647	.00662	.00677	.00693	.00709	.00726	.00743	.00760
7.6	.00613	.00628	.00642	.00657	.00673	.00688	.00704	.00721	.00738	.00755	.00772
7.8	.00623	.00638	.00653	.00668	.00684	.00699	.00716	.00732	.00749	.00767	.00785
8.0	.00633	.00648	.00663	.00679	.00694	.00711	.00727	.00744	.00761	.00779	.00797
8.2	.00643	.00658	.00674	.00689	.00706	.00722	.00739	.00756	.00774	.00792	.00810
8.4	.00654	.00669	.00685	.00700	.00717	.00733	.00751	.00768	.00786	.00804	.00823
8.6	.00664	.00680	.00695	.00712	.00728	.00745	.00763	.00780	.00798	.00817	.00836
8.8	.00675	.00690	.00707	.00723	.00740	.00757	.00775	.00793	.00811	.00830	.00849
9.0	.00685	.00701	.00718	.00735	.00752	.00769	.00787	.00805	.00824	.00843	.00862
9.2	.00696	.00713	.00729	.00746	.00764	.00781	.00800	.00818	.00837	.00857	.00877
9.4	.00707	.00724	.00741	.00758	.00776	.00794	.00812	.00831	.00851	.00870	.00891
9.6	.00719	.00735	.00753	.00770	.00788	.00806	.00825	.00844	.00864	.00884	.00905
9.8	.00730	.00747	.00767	.00782	.00800	.00819	.00838	.00858	.00878	.00898	.00919
10.0	.00742	.00759	.00777	.00795	.00813	.00832	.00851	.00871	.00892	.00912	.00934
10.2	.00753	.00771	.00789	.00807	.00826	.00845	.00865	.00885	.00906	.00927	.00948
10.4	.00765	.00783	.00801	.00820	.00839	.00858	.00878	.00899	.00920	.00941	.00963
10.6	.00777	.00795	.00814	.00833	.00852	.00872	.00892	.00913	.00934	.00956	.00978
10.8	.00789	.00808	.00827	.00846	.00866	.00886	.00906	.00927	.00949	.00971	.00994
11.0	.00802	.00820	.00840	.00859	.00879	.00900	.00921	.00942	.00964	.00986	.01009
11.2	.00814	.00833	.00853	.00873	.00893	.00914	.00935	.00957	.00979	.01002	.01025
11.4	.00827	.00846	.00866	.00886	.00907	.00928	.00950	.00972	.00994	.01018	.01041
11.6	.00840	.00860	.00880	.00900	.00921	.00943	.00964	.00987	.01010	.01033	.01058
11.8	.00853	.00873	.00893	.00914	.00935	.00957	.00980	.01002	.01026	.01050	.01074
12.0	.00866	.00887	.00907	.00928	.00950	.00972	.00995	.01018	.01042	.01066	.01091
12.2	.00880	.00900	.00921	.00943	.00965	.00987	.01010	.01034	.01058	.01082	.01108
12.4	.00894	.00914	.00936	.00957	.00980	.01003	.01026	.01050	.01074	.01099	.01125
12.6	.00907	.00929	.00950	.00972	.00995	.01018	.01042	.01066	.01091	.01116	.01142
12.8	.00922	.00943	.00965	.00988	.01010	.01034	.01058	.01082	.01108	.01134	.01160
13.0	.00936	.00958	.00980	.01003	.01026	.01050	.01074	.01099	.01125	.01151	.01178
13.2	.00950	.00972	.00995	.01018	.01042	.01066	.01091	.01116	.01142	.01169	.01196
13.4	.00965	.00987	.01010	.01034	.01058	.01083	.01108	.01134	.01160	.01185	.01212
13.6	.00980	.01003	.01026	.01050	.01074	.01099	.01125	.01151	.01178	.01205	.01232
13.8	.00995	.01018	.01042	.01066	.01091	.01116	.01142	.01169	.01196	.01224	.01252
14.0	.0101	.0103	.0106	.0108	.0111	.0113	.0116	.0119	.0121	.0124	.0127

TABLE A-1 CONTINUED

TABLE PAGE 39

TEMP DEG C	5.60	5.61	5.62	5.63	5.64	PH 5.65	5.66	5.67	5.68	5.69	5.70
14.2	.0101	.0103	.0106	.0108	.0112	.0115	.0116	.0119	.0123	.0124	.0129
14.4	.0103	.0105	.0107	.0110	.0114	.0117	.0118	.0122	.0125	.0126	.0131
14.6	.0104	.0108	.0109	.0112	.0116	.0119	.0120	.0124	.0127	.0128	.0133
14.8	.0106	.0110	.0111	.0113	.0117	.0120	.0121	.0125	.0128	.0130	.0135
15.0	.0107	.0112	.0114	.0117	.0121	.0122	.0125	.0128	.0131	.0134	.0137
15.2	.0109	.0112	.0114	.0117	.0121	.0122	.0125	.0128	.0131	.0134	.0137
15.4	.0111	.0114	.0116	.0119	.0123	.0126	.0129	.0132	.0135	.0138	.0141
15.6	.0113	.0117	.0119	.0122	.0125	.0128	.0131	.0134	.0137	.0140	.0144
15.8	.0115	.0118	.0121	.0124	.0127	.0130	.0133	.0136	.0139	.0142	.0146
16.0	.0118	.0120	.0123	.0126	.0129	.0132	.0135	.0138	.0141	.0145	.0148
16.2	.0121	.0124	.0127	.0130	.0133	.0136	.0139	.0142	.0145	.0149	.0152
16.4	.0123	.0126	.0129	.0132	.0135	.0138	.0141	.0144	.0147	.0151	.0155
16.6	.0125	.0128	.0131	.0134	.0137	.0140	.0143	.0146	.0149	.0153	.0157
16.8	.0127	.0130	.0133	.0136	.0139	.0142	.0145	.0148	.0152	.0156	.0160
17.0	.0130	.0133	.0136	.0139	.0142	.0145	.0148	.0151	.0155	.0159	.0163
17.2	.0132	.0135	.0138	.0141	.0144	.0147	.0150	.0153	.0157	.0161	.0165
17.4	.0134	.0137	.0140	.0143	.0146	.0149	.0152	.0155	.0159	.0163	.0167
17.6	.0136	.0139	.0142	.0145	.0148	.0151	.0154	.0157	.0161	.0165	.0169
17.8	.0138	.0141	.0144	.0147	.0150	.0153	.0156	.0159	.0163	.0167	.0171
18.0	.0140	.0143	.0146	.0149	.0152	.0155	.0158	.0161	.0165	.0169	.0173
18.2	.0142	.0145	.0148	.0151	.0154	.0157	.0160	.0163	.0167	.0171	.0175
18.4	.0144	.0147	.0150	.0153	.0156	.0159	.0162	.0165	.0169	.0173	.0177
18.6	.0146	.0149	.0152	.0155	.0158	.0161	.0164	.0167	.0171	.0175	.0179
18.8	.0148	.0151	.0154	.0157	.0160	.0163	.0166	.0169	.0173	.0177	.0181
19.0	.0150	.0153	.0156	.0159	.0162	.0165	.0168	.0171	.0175	.0179	.0183
19.2	.0152	.0155	.0158	.0161	.0164	.0167	.0170	.0173	.0177	.0181	.0185
19.4	.0154	.0157	.0160	.0163	.0166	.0169	.0172	.0175	.0179	.0183	.0187
19.6	.0156	.0159	.0162	.0165	.0168	.0171	.0174	.0177	.0181	.0185	.0189
19.8	.0158	.0161	.0164	.0167	.0170	.0173	.0176	.0179	.0183	.0187	.0191
20.0	.0160	.0163	.0166	.0169	.0172	.0175	.0178	.0181	.0185	.0189	.0193
20.2	.0162	.0165	.0168	.0171	.0174	.0177	.0180	.0183	.0187	.0191	.0195
20.4	.0164	.0167	.0170	.0173	.0176	.0179	.0182	.0185	.0189	.0193	.0197
20.6	.0166	.0169	.0172	.0175	.0178	.0181	.0184	.0187	.0191	.0195	.0199
20.8	.0168	.0171	.0174	.0177	.0180	.0183	.0186	.0189	.0193	.0197	.0201
21.0	.0170	.0173	.0176	.0179	.0182	.0185	.0188	.0191	.0195	.0199	.0203
21.2	.0172	.0175	.0178	.0181	.0184	.0187	.0190	.0193	.0197	.0201	.0205
21.4	.0174	.0177	.0180	.0183	.0186	.0189	.0192	.0195	.0199	.0203	.0207
21.6	.0176	.0179	.0182	.0185	.0188	.0191	.0194	.0197	.0201	.0205	.0209
21.8	.0178	.0181	.0184	.0187	.0190	.0193	.0196	.0199	.0203	.0207	.0211
22.0	.0180	.0183	.0186	.0189	.0192	.0195	.0198	.0201	.0205	.0209	.0213

TABLE A-1 CONTINUED

TABLE PAGE 40

TEMP DEG C	5.60	5.61	5.62	5.63	5.64	PH 5.65	5.66	5.67	5.68	5.69	5.70
21.0	.0170	.0174	.0178	.0182	.0186	.0191	.0195	.0200	.0204	.0209	.0214
21.2	.0172	.0177	.0183	.0188	.0192	.0196	.0201	.0206	.0210	.0215	.0220
21.4	.0175	.0179	.0186	.0190	.0195	.0199	.0204	.0209	.0213	.0218	.0223
21.6	.0178	.0182	.0189	.0193	.0198	.0202	.0207	.0212	.0217	.0222	.0227
21.8	.0180	.0184	.0191	.0196	.0200	.0205	.0210	.0215	.0220	.0225	.0230
22.0	.0183	.0187	.0194	.0199	.0203	.0208	.0213	.0218	.0223	.0228	.0233
22.2	.0185	.0190	.0197	.0202	.0206	.0211	.0216	.0221	.0226	.0231	.0236
22.4	.0188	.0192	.0199	.0204	.0209	.0214	.0219	.0224	.0229	.0234	.0239
22.6	.0191	.0195	.0200	.0207	.0212	.0217	.0222	.0227	.0233	.0238	.0244
22.8	.0194	.0198	.0203	.0210	.0215	.0220	.0225	.0231	.0236	.0242	.0247
23.0	.0196	.0201	.0206	.0213	.0218	.0223	.0228	.0234	.0239	.0245	.0250
23.2	.0199	.0204	.0209	.0217	.0222	.0227	.0232	.0237	.0243	.0249	.0254
23.4	.0202	.0207	.0212	.0220	.0225	.0230	.0235	.0240	.0246	.0252	.0257
23.6	.0205	.0210	.0215	.0223	.0228	.0233	.0238	.0243	.0249	.0255	.0260
23.8	.0208	.0213	.0218	.0226	.0231	.0237	.0242	.0248	.0254	.0260	.0265
24.0	.0211	.0216	.0221	.0229	.0234	.0240	.0245	.0251	.0257	.0263	.0268
24.2	.0214	.0219	.0224	.0232	.0237	.0243	.0248	.0254	.0260	.0266	.0272
24.4	.0217	.0222	.0227	.0235	.0240	.0246	.0251	.0257	.0263	.0269	.0275
24.6	.0220	.0225	.0230	.0238	.0243	.0249	.0254	.0260	.0266	.0272	.0278
24.8	.0223	.0228	.0233	.0241	.0245	.0250	.0256	.0262	.0268	.0274	.0280
25.0	.0226	.0232	.0237	.0245	.0248	.0254	.0260	.0266	.0272	.0278	.0284
25.2	.0230	.0235	.0240	.0248	.0253	.0258	.0264	.0270	.0276	.0282	.0288
25.4	.0233	.0238	.0244	.0252	.0255	.0261	.0267	.0273	.0279	.0285	.0291
25.6	.0236	.0242	.0247	.0255	.0259	.0265	.0271	.0277	.0283	.0289	.0295
25.8	.0240	.0245	.0251	.0259	.0263	.0269	.0275	.0281	.0287	.0293	.0299
26.0	.0243	.0249	.0254	.0262	.0266	.0273	.0279	.0285	.0291	.0297	.0303
26.2	.0246	.0252	.0258	.0266	.0270	.0276	.0283	.0289	.0295	.0301	.0307
26.4	.0250	.0256	.0262	.0270	.0274	.0280	.0287	.0293	.0300	.0306	.0312
26.6	.0253	.0259	.0265	.0273	.0278	.0284	.0291	.0297	.0304	.0310	.0316
26.8	.0257	.0263	.0269	.0277	.0282	.0288	.0295	.0301	.0308	.0314	.0320
27.0	.0261	.0267	.0273	.0281	.0286	.0292	.0299	.0305	.0312	.0318	.0324
27.2	.0264	.0270	.0276	.0284	.0289	.0295	.0302	.0308	.0315	.0321	.0327
27.4	.0268	.0274	.0280	.0288	.0293	.0299	.0306	.0312	.0319	.0325	.0331
27.6	.0271	.0277	.0283	.0291	.0296	.0303	.0309	.0315	.0322	.0328	.0334
27.8	.0275	.0281	.0287	.0295	.0300	.0307	.0313	.0319	.0326	.0332	.0338
28.0	.0278	.0284	.0290	.0298	.0303	.0310	.0316	.0322	.0329	.0335	.0341
28.2	.0282	.0288	.0294	.0302	.0307	.0314	.0320	.0326	.0333	.0339	.0345
28.4	.0285	.0291	.0297	.0305	.0310	.0317	.0323	.0329	.0336	.0342	.0348
28.6	.0289	.0295	.0301	.0309	.0314	.0321	.0327	.0333	.0340	.0346	.0352

TABLE A-1 CONTINUED

TABLE PAGE 41

TEMP DEG C	5.60	5.61	5.62	5.63	5.64	PH 5.65	5.66	5.67	5.68	5.69	5.70
28.0	.0279	.0286	.0292	.0299	.0306	.0313	.0325	.0338	.0340	.0344	.0352
28.2	.0283	.0290	.0296	.0303	.0310	.0318	.0325	.0333	.0336	.0340	.0348
28.4	.0287	.0294	.0301	.0308	.0315	.0322	.0330	.0337	.0340	.0345	.0353
28.6	.0291	.0298	.0305	.0312	.0319	.0327	.0334	.0342	.0345	.0350	.0358
28.8	.0295	.0302	.0309	.0316	.0324	.0331	.0339	.0347	.0350	.0355	.0363
29.0	.0299	.0306	.0313	.0321	.0328	.0336	.0344	.0352	.0355	.0360	.0368
29.2	.0303	.0310	.0318	.0325	.0333	.0340	.0348	.0356	.0365	.0373	.0382
29.4	.0308	.0315	.0322	.0330	.0337	.0345	.0353	.0361	.0370	.0378	.0387
29.6	.0312	.0319	.0326	.0334	.0342	.0350	.0358	.0366	.0375	.0384	.0393
29.8	.0316	.0323	.0331	.0339	.0347	.0355	.0363	.0371	.0380	.0389	.0398
30.0	.0320	.0328	.0336	.0343	.0351	.0360	.0368	.0376	.0385	.0394	.0403
30.2	.0325	.0333	.0340	.0348	.0356	.0364	.0373	.0382	.0391	.0400	.0409
30.4	.0329	.0337	.0345	.0353	.0361	.0369	.0378	.0387	.0396	.0405	.0415
30.6	.0333	.0342	.0350	.0358	.0366	.0375	.0383	.0392	.0401	.0411	.0420
30.8	.0338	.0346	.0354	.0362	.0371	.0380	.0389	.0398	.0407	.0416	.0426
31.0	.0343	.0351	.0359	.0368	.0376	.0385	.0394	.0403	.0412	.0422	.0432
31.2	.0348	.0356	.0364	.0373	.0381	.0390	.0399	.0409	.0418	.0428	.0438
31.4	.0352	.0361	.0369	.0378	.0386	.0395	.0405	.0414	.0424	.0434	.0444
31.6	.0357	.0366	.0374	.0383	.0392	.0401	.0410	.0420	.0430	.0440	.0450
31.8	.0362	.0371	.0379	.0388	.0397	.0406	.0416	.0425	.0435	.0445	.0456
32.0	.0367	.0376	.0384	.0393	.0402	.0412	.0421	.0431	.0441	.0452	.0462
32.2	.0372	.0381	.0390	.0399	.0408	.0417	.0427	.0437	.0447	.0458	.0468
32.4	.0377	.0386	.0395	.0404	.0413	.0423	.0433	.0443	.0453	.0464	.0475
32.6	.0382	.0391	.0400	.0410	.0419	.0429	.0439	.0449	.0459	.0470	.0481
32.8	.0387	.0396	.0406	.0415	.0425	.0435	.0445	.0455	.0466	.0477	.0488
33.0	.0393	.0402	.0411	.0421	.0430	.0440	.0451	.0461	.0472	.0483	.0494
33.2	.0398	.0407	.0417	.0426	.0436	.0446	.0457	.0467	.0478	.0489	.0501
33.4	.0403	.0413	.0422	.0432	.0442	.0452	.0463	.0474	.0485	.0496	.0508
33.6	.0409	.0418	.0428	.0438	.0448	.0458	.0469	.0480	.0491	.0503	.0514
33.8	.0414	.0424	.0434	.0444	.0454	.0465	.0475	.0487	.0498	.0509	.0521
34.0	.0420	.0429	.0439	.0449	.0460	.0471	.0482	.0493	.0505	.0516	.0528
34.2	.0425	.0435	.0445	.0455	.0466	.0477	.0488	.0500	.0511	.0523	.0535
34.4	.0431	.0441	.0451	.0462	.0473	.0484	.0495	.0506	.0518	.0530	.0543
34.6	.0437	.0447	.0457	.0468	.0479	.0490	.0501	.0513	.0525	.0537	.0550
34.8	.0443	.0453	.0463	.0474	.0485	.0497	.0508	.0520	.0533	.0544	.0557
35.0	.0448	.0459	.0470	.0481	.0492	.0503	.0515	.0527	.0539	.0552	.0565

TABLE A-1 CONTINUED

TABLE PAGE 42

TEMP DEG C	5.60	5.61	5.62	5.63	5.64	PH 5.65	5.66	5.67	5.68	5.69	5.70
35.0	.0448	.0459	.0470	.0481	.0492	.0503	.0515	.0527	.0539	.0552	.0565
35.2	.0454	.0465	.0476	.0487	.0498	.0510	.0522	.0534	.0546	.0559	.0572
35.4	.0460	.0471	.0482	.0493	.0505	.0517	.0529	.0541	.0554	.0566	.0579
35.6	.0467	.0477	.0489	.0500	.0512	.0524	.0536	.0548	.0561	.0574	.0587
35.8	.0473	.0484	.0495	.0507	.0518	.0530	.0543	.0555	.0568	.0582	.0595
36.0	.0479	.0490	.0502	.0513	.0525	.0537	.0550	.0563	.0576	.0589	.0603
36.2	.0485	.0497	.0508	.0520	.0532	.0545	.0557	.0570	.0583	.0597	.0611
36.4	.0492	.0503	.0515	.0527	.0539	.0552	.0565	.0578	.0591	.0605	.0619
36.6	.0498	.0510	.0522	.0534	.0546	.0559	.0572	.0585	.0599	.0613	.0627
36.8	.0505	.0517	.0529	.0541	.0554	.0566	.0580	.0593	.0607	.0621	.0635
37.0	.0511	.0523	.0536	.0548	.0561	.0574	.0587	.0601	.0615	.0629	.0644
37.2	.0518	.0530	.0543	.0555	.0568	.0581	.0595	.0609	.0623	.0637	.0652
37.4	.0525	.0537	.0550	.0563	.0576	.0589	.0603	.0617	.0631	.0646	.0661
37.6	.0532	.0544	.0557	.0570	.0583	.0597	.0611	.0625	.0639	.0654	.0669
37.8	.0539	.0551	.0564	.0577	.0591	.0605	.0619	.0633	.0648	.0663	.0678
38.0	.0546	.0559	.0572	.0585	.0598	.0612	.0627	.0641	.0656	.0671	.0687
38.2	.0553	.0566	.0579	.0593	.0606	.0620	.0635	.0650	.0665	.0680	.0696
38.4	.0560	.0573	.0587	.0600	.0614	.0628	.0643	.0658	.0673	.0689	.0705
38.6	.0567	.0581	.0594	.0608	.0622	.0637	.0651	.0667	.0682	.0698	.0714
38.8	.0575	.0588	.0602	.0616	.0630	.0645	.0660	.0675	.0691	.0707	.0723
39.0	.0582	.0596	.0610	.0624	.0638	.0653	.0669	.0684	.0700	.0716	.0733
39.2	.0590	.0604	.0618	.0632	.0647	.0662	.0677	.0693	.0709	.0726	.0742
39.4	.0598	.0611	.0626	.0640	.0655	.0670	.0686	.0702	.0718	.0735	.0752
39.6	.0605	.0619	.0634	.0648	.0664	.0679	.0695	.0711	.0728	.0744	.0762
39.8	.0613	.0627	.0642	.0657	.0672	.0688	.0704	.0720	.0737	.0754	.0772
40.0	.0621	.0635	.0650	.0665	.0681	.0697	.0713	.0729	.0746	.0764	.0782

TABLE A-1 CONTINUED

TABLE PAGE 43

TEMP DEG C	5.70	5.71	5.72	5.73	5.74	5.75	5.76	5.77	5.78	5.79	5.80
0	.00414	.00424	.00434	.00444	.00454	.00465	.00476	.00487	.00498	.00510	.00522
2	.00421	.00431	.00441	.00452	.00462	.00473	.00484	.00495	.00507	.00518	.00531
4	.00429	.00439	.00449	.00459	.00470	.00481	.00492	.00504	.00515	.00527	.00540
6	.00436	.00446	.00456	.00467	.00478	.00489	.00500	.00512	.00524	.00536	.00549
8	.00443	.00453	.00464	.00475	.00486	.00497	.00509	.00521	.00533	.00545	.00558
10	.00451	.00461	.00472	.00483	.00494	.00506	.00517	.00529	.00542	.00554	.00567
12	.00458	.00469	.00480	.00491	.00502	.00514	.00526	.00538	.00551	.00564	.00577
14	.00466	.00477	.00488	.00499	.00511	.00523	.00535	.00547	.00560	.00573	.00586
16	.00474	.00485	.00496	.00508	.00519	.00532	.00544	.00557	.00570	.00583	.00596
18	.00482	.00493	.00504	.00516	.00528	.00540	.00553	.00566	.00579	.00593	.00606
20	.00490	.00501	.00513	.00525	.00537	.00550	.00562	.00575	.00589	.00603	.00617
22	.00498	.00510	.00521	.00534	.00546	.00559	.00572	.00585	.00599	.00613	.00627
24	.00506	.00518	.00530	.00543	.00555	.00568	.00581	.00595	.00609	.00623	.00637
26	.00515	.00527	.00539	.00552	.00564	.00578	.00591	.00605	.00619	.00633	.00648
28	.00523	.00535	.00548	.00561	.00574	.00587	.00601	.00615	.00629	.00644	.00659
30	.00532	.00544	.00557	.00570	.00583	.00597	.00611	.00625	.00640	.00654	.00670
32	.00541	.00553	.00566	.00580	.00593	.00607	.00621	.00635	.00650	.00665	.00681
34	.00550	.00563	.00576	.00589	.00603	.00617	.00631	.00646	.00661	.00676	.00692
36	.00559	.00572	.00585	.00599	.00613	.00627	.00642	.00657	.00672	.00688	.00704
38	.00568	.00581	.00595	.00609	.00623	.00637	.00652	.00667	.00683	.00699	.00715
40	.00578	.00591	.00605	.00619	.00633	.00648	.00663	.00679	.00694	.00710	.00727
42	.00587	.00601	.00615	.00629	.00644	.00659	.00674	.00690	.00706	.00722	.00739
44	.00597	.00611	.00625	.00639	.00654	.00669	.00685	.00701	.00717	.00734	.00751
46	.00606	.00621	.00635	.00650	.00665	.00680	.00696	.00712	.00729	.00746	.00764
48	.00616	.00631	.00645	.00661	.00676	.00692	.00708	.00724	.00741	.00758	.00776
50	.00627	.00641	.00656	.00671	.00687	.00703	.00719	.00736	.00753	.00771	.00789
52	.00637	.00652	.00667	.00682	.00698	.00714	.00731	.00748	.00766	.00783	.00802
54	.00647	.00662	.00678	.00693	.00710	.00726	.00743	.00760	.00778	.00796	.00815
56	.00658	.00673	.00689	.00705	.00721	.00738	.00755	.00772	.00791	.00809	.00828
58	.00668	.00684	.00700	.00716	.00733	.00750	.00767	.00785	.00804	.00822	.00842
60	.00679	.00695	.00711	.00728	.00745	.00762	.00780	.00798	.00817	.00836	.00855
62	.00690	.00706	.00723	.00740	.00757	.00775	.00793	.00811	.00830	.00849	.00869
64	.00702	.00718	.00735	.00752	.00769	.00787	.00805	.00824	.00843	.00863	.00883
66	.00713	.00730	.00747	.00764	.00782	.00800	.00819	.00838	.00857	.00877	.00898
68	.00724	.00741	.00759	.00776	.00794	.00813	.00832	.00851	.00871	.00891	.00912
70	.00736	.00753	.00771	.00789	.00807	.00826	.00845	.00865	.00885	.00906	.00927

TABLE A-1 CONTINUED

TABLE PAGE 44

TEMP DEG C	5.70	5.71	5.72	5.73	5.74	5.75	5.76	5.77	5.78	5.79	5.80
7.0	.00736	.00753	.00771	.00789	.00807	.00826	.00845	.00865	.00885	.00906	.00927
7.2	.00748	.00765	.00783	.00802	.00820	.00839	.00859	.00879	.00899	.00920	.00941
7.4	.00760	.00778	.00796	.00814	.00833	.00853	.00873	.00893	.00914	.00935	.00957
7.6	.00772	.00790	.00809	.00828	.00847	.00867	.00887	.00907	.00928	.00950	.00972
7.8	.00785	.00803	.00822	.00841	.00860	.00880	.00901	.00922	.00943	.00965	.00988
8.0	.00797	.00816	.00835	.00854	.00874	.00895	.00915	.00937	.00959	.00981	.01004
8.2	.00810	.00829	.00848	.00868	.00888	.00909	.00930	.00952	.00974	.00997	.01020
8.4	.00823	.00842	.00862	.00882	.00902	.00923	.00945	.00967	.00989	.01012	.01036
8.6	.00836	.00856	.00876	.00896	.00917	.00938	.00960	.00982	.01005	.01029	.01053
8.8	.00849	.00869	.00889	.00910	.00931	.00953	.00975	.00998	.01021	.01045	.01069
9.0	.00863	.00883	.00904	.00925	.00946	.00968	.00991	.01014	.01038	.01062	.01086
9.2	.00877	.00897	.00918	.00939	.00961	.00984	.01007	.01030	.01054	.01079	.01104
9.4	.00891	.00911	.00933	.00954	.00977	.00999	.01023	.01046	.01071	.01096	.01121
9.6	.00905	.00926	.00947	.00969	.00992	.01015	.01039	.01063	.01088	.01113	.01139
9.8	.00919	.00940	.00962	.00985	.01008	.01031	.01055	.01080	.01105	.01131	.01157
10.0	.00934	.00955	.00978	.01000	.01024	.01047	.01072	.01097	.01122	.01149	.01175
10.2	.00948	.00970	.00993	.01016	.01040	.01064	.01089	.01114	.01140	.01167	.01194
10.4	.00963	.00986	.01009	.01032	.01056	.01081	.01106	.01132	.01158	.01185	.01213
10.6	.00978	.01001	.01025	.01048	.01073	.01098	.01124	.01150	.01176	.01203	.01231
10.8	.00994	.01017	.01041	.01065	.01090	.01115	.01141	.01168	.01195	.01223	.01251
11.0	.0101	.0103	.0106	.0108	.0111	.0113	.0116	.0119	.0121	.0124	.0127
11.2	.0103	.0105	.0107	.0110	.0114	.0115	.0118	.0122	.0125	.0128	.0131
11.4	.0104	.0107	.0109	.0112	.0116	.0117	.0120	.0124	.0127	.0130	.0133
11.6	.0106	.0108	.0111	.0113	.0118	.0119	.0121	.0126	.0129	.0132	.0135
11.8	.0107	.0110	.0112	.0115	.0120	.0122	.0125	.0128	.0131	.0134	.0137
12.0	.0109	.0112	.0114	.0117	.0122	.0124	.0127	.0130	.0133	.0136	.0139
12.2	.0111	.0113	.0116	.0119	.0123	.0126	.0129	.0132	.0135	.0138	.0142
12.4	.0114	.0117	.0120	.0122	.0125	.0128	.0131	.0134	.0137	.0141	.0144
12.6	.0116	.0119	.0121	.0124	.0127	.0130	.0133	.0136	.0139	.0143	.0146
12.8	.0118	.0121	.0123	.0126	.0129	.0132	.0135	.0138	.0142	.0145	.0148
13.0	.0120	.0122	.0125	.0128	.0131	.0134	.0137	.0141	.0144	.0147	.0151
13.2	.0121	.0124	.0127	.0130	.0133	.0136	.0139	.0143	.0146	.0149	.0153
13.4	.0123	.0126	.0129	.0132	.0135	.0138	.0141	.0145	.0148	.0152	.0155
13.6	.0125	.0128	.0131	.0134	.0137	.0141	.0144	.0147	.0151	.0154	.0158
13.8	.0127	.0130	.0133	.0136	.0139	.0143	.0146	.0149	.0153	.0156	.0160

TABLE A-1 CONTINUED

TABLE PAGE 45

TEMP DEG C	5.70	5.71	5.72	5.73	5.74	5.75 PH	5.76	5.77	5.78	5.79	5.80
14.0	.0127	.0130	.0133	.0136	.0139	.0143	.0146	.0149	.0153	.0156	.0163
14.2	.0129	.0132	.0135	.0138	.0142	.0145	.0148	.0152	.0155	.0159	.0165
14.4	.0131	.0134	.0137	.0140	.0144	.0147	.0151	.0154	.0158	.0161	.0168
14.6	.0133	.0136	.0139	.0143	.0146	.0149	.0153	.0156	.0160	.0164	.0170
14.8	.0135	.0138	.0141	.0145	.0148	.0152	.0155	.0159	.0163	.0166	.0173
15.0	.0137	.0140	.0144	.0147	.0150	.0154	.0158	.0161	.0165	.0169	.0176
15.2	.0139	.0143	.0146	.0149	.0153	.0156	.0160	.0164	.0167	.0171	.0178
15.4	.0141	.0145	.0148	.0152	.0155	.0159	.0162	.0166	.0170	.0174	.0181
15.6	.0143	.0147	.0150	.0154	.0157	.0161	.0165	.0169	.0173	.0177	.0184
15.8	.0145	.0149	.0153	.0156	.0160	.0164	.0167	.0171	.0175	.0179	.0186
16.0	.0147	.0151	.0155	.0159	.0162	.0166	.0170	.0174	.0178	.0182	.0189
16.2	.0149	.0154	.0157	.0161	.0165	.0168	.0172	.0176	.0181	.0185	.0192
16.4	.0151	.0156	.0160	.0163	.0167	.0171	.0175	.0179	.0183	.0188	.0195
16.6	.0153	.0158	.0162	.0166	.0170	.0174	.0178	.0182	.0186	.0190	.0198
16.8	.0155	.0161	.0164	.0168	.0172	.0176	.0180	.0185	.0189	.0193	.0201
17.0	.0157	.0163	.0167	.0171	.0175	.0179	.0183	.0187	.0192	.0196	.0204
17.2	.0159	.0166	.0169	.0173	.0177	.0182	.0186	.0190	.0195	.0199	.0207
17.4	.0161	.0168	.0172	.0176	.0180	.0184	.0189	.0193	.0197	.0202	.0210
17.6	.0163	.0171	.0175	.0179	.0183	.0187	.0191	.0196	.0200	.0205	.0213
17.8	.0165	.0173	.0177	.0181	.0186	.0190	.0194	.0199	.0203	.0208	.0216
18.0	.0167	.0176	.0180	.0184	.0188	.0193	.0197	.0202	.0206	.0211	.0219
18.2	.0169	.0178	.0183	.0187	.0191	.0196	.0200	.0205	.0209	.0214	.0222
18.4	.0171	.0181	.0185	.0190	.0194	.0198	.0203	.0208	.0212	.0217	.0226
18.6	.0173	.0184	.0188	.0193	.0197	.0201	.0206	.0211	.0215	.0219	.0228
18.8	.0175	.0186	.0190	.0195	.0199	.0204	.0209	.0214	.0218	.0223	.0231
19.0	.0177	.0188	.0192	.0197	.0201	.0206	.0211	.0216	.0220	.0225	.0234
19.2	.0179	.0190	.0194	.0199	.0203	.0208	.0213	.0217	.0222	.0227	.0236
19.4	.0181	.0192	.0196	.0201	.0205	.0210	.0215	.0219	.0224	.0229	.0238
19.6	.0183	.0194	.0198	.0203	.0207	.0212	.0217	.0221	.0226	.0231	.0240
19.8	.0185	.0196	.0200	.0205	.0209	.0214	.0219	.0223	.0228	.0233	.0242
20.0	.0187	.0198	.0202	.0207	.0211	.0216	.0221	.0225	.0230	.0235	.0244
20.2	.0189	.0200	.0204	.0209	.0213	.0218	.0223	.0227	.0232	.0237	.0246
20.4	.0191	.0202	.0206	.0211	.0215	.0220	.0225	.0230	.0235	.0240	.0249
20.6	.0193	.0204	.0208	.0213	.0217	.0222	.0227	.0232	.0237	.0242	.0251
20.8	.0195	.0206	.0210	.0215	.0219	.0224	.0229	.0234	.0239	.0244	.0253
21.0	.0197	.0208	.0212	.0217	.0221	.0226	.0231	.0236	.0241	.0246	.0255
21.2	.0199	.0210	.0214	.0219	.0223	.0228	.0233	.0238	.0243	.0248	.0257
21.4	.0201	.0212	.0216	.0221	.0225	.0230	.0235	.0240	.0245	.0250	.0259
21.6	.0203	.0214	.0218	.0223	.0227	.0232	.0237	.0242	.0247	.0252	.0261
21.8	.0205	.0216	.0220	.0225	.0229	.0234	.0239	.0244	.0249	.0254	.0263
22.0	.0207	.0218	.0222	.0227	.0231	.0236	.0241	.0246	.0251	.0256	.0265
22.2	.0209	.0220	.0224	.0229	.0233	.0238	.0243	.0248	.0253	.0258	.0267
22.4	.0211	.0222	.0226	.0231	.0235	.0240	.0245	.0250	.0255	.0260	.0269
22.6	.0213	.0224	.0228	.0233	.0237	.0242	.0247	.0252	.0257	.0262	.0271
22.8	.0215	.0226	.0230	.0235	.0239	.0244	.0249	.0254	.0259	.0264	.0273
23.0	.0217	.0228	.0232	.0237	.0241	.0246	.0251	.0256	.0261	.0266	.0275
23.2	.0219	.0230	.0234	.0239	.0243	.0248	.0253	.0258	.0263	.0268	.0277
23.4	.0221	.0232	.0236	.0241	.0245	.0250	.0255	.0260	.0265	.0270	.0279
23.6	.0223	.0234	.0238	.0243	.0247	.0252	.0257	.0262	.0267	.0272	.0281
23.8	.0225	.0236	.0240	.0245	.0249	.0254	.0259	.0264	.0269	.0274	.0283
24.0	.0227	.0238	.0242	.0247	.0251	.0256	.0261	.0266	.0271	.0276	.0285
24.2	.0229	.0240	.0244	.0249	.0253	.0258	.0263	.0268	.0273	.0278	.0287
24.4	.0231	.0242	.0246	.0251	.0255	.0260	.0265	.0270	.0275	.0280	.0289
24.6	.0233	.0244	.0248	.0253	.0257	.0262	.0267	.0272	.0277	.0282	.0291
24.8	.0235	.0246	.0250	.0255	.0259	.0264	.0269	.0274	.0279	.0284	.0293
25.0	.0237	.0248	.0252	.0257	.0261	.0266	.0271	.0276	.0281	.0286	.0295
25.2	.0239	.0250	.0254	.0259	.0263	.0268	.0273	.0278	.0283	.0288	.0297
25.4	.0241	.0252	.0256	.0261	.0265	.0270	.0275	.0280	.0285	.0290	.0299
25.6	.0243	.0254	.0258	.0263	.0267	.0272	.0277	.0282	.0287	.0292	.0301
25.8	.0245	.0256	.0260	.0265	.0269	.0274	.0279	.0284	.0289	.0294	.0303
26.0	.0247	.0258	.0262	.0267	.0271	.0276	.0281	.0286	.0291	.0296	.0305
26.2	.0249	.0260	.0264	.0269	.0273	.0278	.0283	.0288	.0293	.0298	.0307
26.4	.0251	.0262	.0266	.0271	.0275	.0280	.0285	.0290	.0295	.0300	.0309
26.6	.0253	.0264	.0268	.0273	.0277	.0282	.0287	.0292	.0297	.0302	.0311
26.8	.0255	.0266	.0270	.0275	.0279	.0284	.0289	.0294	.0299	.0304	.0313
27.0	.0257	.0268	.0272	.0277	.0281	.0286	.0291	.0296	.0301	.0306	.0315
27.2	.0259	.0270	.0274	.0279	.0283	.0288	.0293	.0298	.0303	.0308	.0317
27.4	.0261	.0272	.0276	.0281	.0285	.0290	.0295	.0300	.0305	.0310	.0319
27.6	.0263	.0274	.0278	.0283	.0287	.0292	.0297	.0302	.0307	.0312	.0321
27.8	.0265	.0276	.0280	.0285	.0289	.0294	.0299	.0304	.0309	.0314	.0323
28.0	.0267	.0278	.0282	.0287	.0291	.0296	.0301	.0306	.0311	.0316	.0325
28.2	.0269	.0280	.0284	.0289	.0293	.0298	.0303	.0308	.0313	.0318	.0327
28.4	.0271	.0282	.0286	.0291	.0295	.0300	.0305	.0310	.0315	.0320	.0329
28.6	.0273	.0284	.0288	.0293	.0297	.0302	.0307	.0312	.0317	.0322	.0331
28.8	.0275	.0286	.0290	.0295	.0299	.0304	.0309	.0314	.0319	.0324	.0333
29.0	.0277	.0288	.0292	.0297	.0301	.0306	.0311	.0316	.0321	.0326	.0335
29.2	.0279	.0290	.0294	.0299	.0303	.0308	.0313	.0318	.0323	.0328	.0337
29.4	.0281	.0292	.0296	.0301	.0305	.0310	.0315	.0320	.0325	.0330	.0339
29.6	.0283	.0294	.0298	.0303	.0307	.0312	.0317	.0322	.0327	.0332	.0341
29.8	.0285	.0296	.0300	.0305	.0309	.0314	.0319	.0324	.0329	.0334	.0343
30.0	.0287	.0298	.0302	.0307	.0311	.0316	.0321	.0326	.0331	.0336	.0345
30.2	.0289	.0300	.0304	.0309	.0313	.0318	.0323	.0328	.0333	.0338	.0347
30.4	.0291	.0302	.0306	.0311	.0315	.0320	.0325	.0330	.0335	.0340	.0349
30.6	.0293	.0304	.0308	.0313	.0317	.0322	.0327	.0332	.0337	.0342	.0351
30.8	.0295	.0306	.0310	.0315	.0319	.0324	.0329	.0334	.0339	.0344	.0353
31.0	.0297	.0308	.0312	.0317	.0321	.0326	.0331	.0336	.0341	.0346	.0355
31.2	.0299	.0310	.0314	.0319	.0323	.0328	.0333	.0338	.0343	.0348	.0357
31.4	.0301	.0312	.0316	.0321	.0325	.0330	.0335	.0340	.0345	.0350	.0359
31.6	.0303	.0314	.0318	.0323	.0327	.0332	.0337	.0342	.0347	.0352	.0361
31.8	.0305	.0316	.0320	.0325	.0329	.0334	.0339	.0344	.0349	.0354	.0363
32.0	.0307	.0318	.0322	.0327	.0331	.0336	.0341	.0346	.0351	.0356	.0365
32.2	.0309	.0320	.0324	.0329	.0333	.0338	.0343	.0348	.0353	.0358	.0367
32.4	.0311	.0322	.0326	.0331	.0335	.0340	.0345	.0350	.0355	.0360	.0369
32.6	.0313	.0324	.0328	.0333	.0337	.0342	.0347	.0352	.0357	.0362	.0371
32.8	.0315	.0326	.0330	.0335	.0339	.0344	.0349	.0354	.0359	.0364	.0373
33.0	.0317	.0328	.0332	.0337	.0341	.0346	.0351	.0356	.0361	.0366	.0375
33.2	.0319	.0330	.0334	.0339	.0343	.0348	.0353	.0358	.0363	.0368	.0377
33.4	.0321	.0332	.0336	.0341	.0345	.0350	.0355	.0360	.0365	.0370	.0379
33.6	.0323	.0334	.0338	.0343	.0347	.0352	.0357	.0362	.0367	.0372	.0381
33.8	.0325	.0336	.0340	.0345	.0349	.0354	.0359	.0364	.0369	.0374	.0383
34.0	.0327	.0338	.0342	.0347	.0351	.0356	.0361	.0366	.0371	.0376	.0385
34.2	.0329	.0340	.0344	.0349	.0353	.0358	.0363	.0368	.0373	.0378	.0387
34.4	.0331	.0342	.0346	.0351	.0355	.0360	.0365	.0370	.0375	.0380	.0389
34.6	.0333	.0344	.0348	.0353	.0357	.0362	.0367	.0372	.0377	.0382	.0391
34.8	.0335	.0346	.0350	.0355	.0359	.0364	.0369	.0374	.0379	.0384	.0393
35.0	.0337	.0348	.0352	.0357	.0361	.0366	.0371	.0376	.0381	.0386	.0395
35.2	.0339	.0350	.0354	.0359	.0363	.0368	.0373	.03			

TABLE A-1 CONTINUED

TABLE PAGE 46

TEMP DEG C	5.70	5.71	5.72	5.73	5.74	PH 5.75	5.76	5.77	5.78	5.79	5.80
21.0	0.214	0.219	0.224	0.229	0.233	0.238	0.246	0.251	0.257	0.263	0.269
21.2	0.220	0.225	0.230	0.235	0.240	0.245	0.253	0.258	0.264	0.271	0.277
21.4	0.226	0.231	0.236	0.241	0.246	0.251	0.259	0.264	0.270	0.277	0.283
21.6	0.232	0.237	0.242	0.247	0.252	0.257	0.264	0.270	0.276	0.283	0.289
21.8	0.238	0.243	0.248	0.253	0.258	0.263	0.270	0.276	0.282	0.289	0.295
22.0	0.244	0.249	0.254	0.259	0.264	0.269	0.276	0.282	0.288	0.295	0.301
22.2	0.250	0.255	0.260	0.265	0.270	0.275	0.282	0.288	0.294	0.301	0.307
22.4	0.256	0.261	0.266	0.271	0.276	0.281	0.288	0.294	0.300	0.307	0.313
22.6	0.262	0.267	0.272	0.277	0.282	0.287	0.294	0.300	0.306	0.313	0.319
22.8	0.268	0.273	0.278	0.283	0.288	0.293	0.300	0.306	0.312	0.319	0.325
23.0	0.274	0.279	0.284	0.289	0.294	0.299	0.306	0.312	0.318	0.325	0.331
23.2	0.280	0.285	0.290	0.295	0.300	0.305	0.312	0.318	0.324	0.331	0.337
23.4	0.286	0.291	0.296	0.301	0.306	0.311	0.318	0.324	0.330	0.337	0.343
23.6	0.292	0.297	0.302	0.307	0.312	0.317	0.324	0.330	0.336	0.343	0.349
23.8	0.298	0.303	0.308	0.313	0.318	0.323	0.330	0.336	0.342	0.349	0.355
24.0	0.304	0.309	0.314	0.319	0.324	0.329	0.336	0.342	0.348	0.355	0.361
24.2	0.310	0.315	0.320	0.325	0.330	0.335	0.342	0.348	0.354	0.361	0.367
24.4	0.316	0.321	0.326	0.331	0.336	0.341	0.348	0.354	0.360	0.367	0.373
24.6	0.322	0.327	0.332	0.337	0.342	0.347	0.354	0.360	0.366	0.373	0.379
24.8	0.328	0.333	0.338	0.343	0.348	0.353	0.360	0.366	0.372	0.379	0.385
25.0	0.334	0.339	0.344	0.349	0.354	0.359	0.366	0.372	0.378	0.385	0.391
25.2	0.340	0.345	0.350	0.355	0.360	0.365	0.372	0.378	0.384	0.391	0.397
25.4	0.346	0.351	0.356	0.361	0.366	0.371	0.378	0.384	0.390	0.397	0.403
25.6	0.352	0.357	0.362	0.367	0.372	0.377	0.384	0.390	0.396	0.403	0.409
25.8	0.358	0.363	0.368	0.373	0.378	0.383	0.390	0.396	0.402	0.409	0.415
26.0	0.364	0.369	0.374	0.379	0.384	0.389	0.396	0.402	0.408	0.415	0.421
26.2	0.370	0.375	0.380	0.385	0.390	0.395	0.402	0.408	0.414	0.421	0.427
26.4	0.376	0.381	0.386	0.391	0.396	0.401	0.408	0.414	0.420	0.427	0.433
26.6	0.382	0.387	0.392	0.397	0.402	0.407	0.414	0.420	0.426	0.433	0.439
26.8	0.388	0.393	0.398	0.403	0.408	0.413	0.420	0.426	0.432	0.439	0.445
27.0	0.394	0.399	0.404	0.409	0.414	0.419	0.426	0.432	0.438	0.445	0.451
27.2	0.400	0.405	0.410	0.415	0.420	0.425	0.432	0.438	0.444	0.451	0.457
27.4	0.406	0.411	0.416	0.421	0.426	0.431	0.438	0.444	0.450	0.457	0.463
27.6	0.412	0.417	0.422	0.427	0.432	0.437	0.444	0.450	0.456	0.463	0.469
27.8	0.418	0.423	0.428	0.433	0.438	0.443	0.450	0.456	0.462	0.469	0.475
28.0	0.424	0.429	0.434	0.439	0.444	0.449	0.456	0.462	0.468	0.475	0.481

TABLE A-1 CONTINUED

TEMP DEG C	5.70	5.71	5.72	5.73	5.74	5.75	5.76	5.77	5.78	5.79	5.80
28.0	.0352	.0360	.0368	.0377	.0385	.0394	.0404	.0413	.0423	.0432	.0443
28.2	.0356	.0365	.0373	.0382	.0391	.0400	.0409	.0419	.0429	.0438	.0449
28.4	.0361	.0370	.0378	.0387	.0396	.0405	.0415	.0425	.0434	.0445	.0455
28.6	.0366	.0375	.0384	.0393	.0402	.0411	.0421	.0430	.0441	.0451	.0461
28.8	.0372	.0380	.0389	.0398	.0407	.0417	.0427	.0436	.0447	.0457	.0468
29.0	.0377	.0385	.0394	.0404	.0413	.0423	.0432	.0443	.0453	.0463	.0474
29.2	.0382	.0391	.0400	.0409	.0419	.0428	.0438	.0449	.0459	.0470	.0481
29.4	.0387	.0396	.0405	.0415	.0424	.0434	.0444	.0455	.0465	.0476	.0487
29.6	.0393	.0402	.0411	.0421	.0430	.0440	.0451	.0461	.0472	.0483	.0494
29.8	.0398	.0407	.0417	.0426	.0436	.0446	.0457	.0467	.0478	.0489	.0501
30.0	.0403	.0413	.0422	.0432	.0442	.0453	.0463	.0474	.0485	.0496	.0508
30.2	.0409	.0418	.0428	.0438	.0448	.0459	.0469	.0480	.0492	.0503	.0515
30.4	.0415	.0424	.0434	.0444	.0455	.0465	.0476	.0487	.0498	.0510	.0522
30.6	.0420	.0430	.0440	.0450	.0461	.0471	.0482	.0494	.0505	.0517	.0529
30.8	.0426	.0436	.0446	.0456	.0467	.0478	.0489	.0500	.0512	.0524	.0536
31.0	.0432	.0442	.0452	.0463	.0473	.0484	.0496	.0507	.0519	.0531	.0544
31.2	.0438	.0448	.0458	.0469	.0480	.0491	.0503	.0514	.0526	.0538	.0551
31.4	.0444	.0454	.0465	.0475	.0486	.0498	.0509	.0521	.0533	.0546	.0559
31.6	.0450	.0460	.0471	.0482	.0493	.0505	.0516	.0528	.0541	.0553	.0566
31.8	.0456	.0466	.0477	.0488	.0500	.0511	.0523	.0536	.0548	.0561	.0574
32.0	.0462	.0473	.0484	.0495	.0507	.0518	.0530	.0543	.0555	.0568	.0582
32.2	.0468	.0479	.0490	.0502	.0513	.0525	.0538	.0550	.0563	.0576	.0590
32.4	.0475	.0486	.0497	.0509	.0520	.0533	.0545	.0558	.0571	.0584	.0598
32.6	.0481	.0492	.0504	.0515	.0527	.0540	.0552	.0565	.0578	.0592	.0606
32.8	.0488	.0499	.0511	.0522	.0535	.0547	.0560	.0573	.0586	.0600	.0614
33.0	.0494	.0506	.0517	.0530	.0542	.0554	.0567	.0581	.0594	.0608	.0622
33.2	.0501	.0513	.0524	.0537	.0549	.0562	.0575	.0588	.0602	.0616	.0630
33.4	.0508	.0519	.0531	.0544	.0557	.0569	.0583	.0596	.0610	.0624	.0639
33.6	.0514	.0526	.0539	.0551	.0564	.0577	.0591	.0604	.0618	.0633	.0648
33.8	.0521	.0533	.0546	.0559	.0572	.0585	.0599	.0612	.0627	.0641	.0656
34.0	.0528	.0541	.0553	.0566	.0579	.0593	.0607	.0621	.0635	.0650	.0665
34.2	.0535	.0548	.0561	.0574	.0587	.0601	.0615	.0629	.0644	.0659	.0674
34.4	.0543	.0555	.0568	.0581	.0595	.0609	.0623	.0637	.0652	.0667	.0682
34.6	.0550	.0563	.0576	.0589	.0603	.0617	.0631	.0646	.0661	.0676	.0692
34.8	.0557	.0570	.0583	.0597	.0611	.0625	.0640	.0655	.0670	.0685	.0701
35.0	.0565	.0578	.0591	.0605	.0619	.0633	.0648	.0663	.0679	.0694	.0711

TABLE A-1 CONTINUED

TABLE PAGE 48

TEMP DEG C	5.70	5.71	5.72	5.73	5.74	PH 5.75	5.76	5.77	5.78	5.79	5.80
35.0	.0565	.0578	.0591	.0605	.0619	.0633	.0648	.0663	.0679	.0694	.0711
35.2	.0572	.0585	.0599	.0613	.0627	.0642	.0657	.0672	.0688	.0704	.0720
35.4	.0580	.0593	.0607	.0621	.0636	.0650	.0665	.0681	.0697	.0713	.0730
35.6	.0587	.0601	.0615	.0629	.0644	.0659	.0674	.0690	.0706	.0723	.0739
35.8	.0595	.0609	.0623	.0638	.0653	.0668	.0683	.0699	.0715	.0732	.0749
36.0	.0603	.0617	.0631	.0646	.0661	.0677	.0692	.0708	.0725	.0742	.0759
36.2	.0611	.0625	.0640	.0655	.0670	.0685	.0701	.0718	.0734	.0752	.0769
36.4	.0619	.0633	.0648	.0663	.0679	.0695	.0711	.0727	.0744	.0761	.0779
36.6	.0627	.0642	.0657	.0672	.0688	.0704	.0720	.0737	.0754	.0772	.0789
36.8	.0635	.0650	.0665	.0681	.0697	.0713	.0730	.0747	.0764	.0782	.0800
37.0	.0644	.0659	.0674	.0690	.0706	.0722	.0739	.0756	.0774	.0792	.0810
37.2	.0652	.0667	.0683	.0699	.0715	.0732	.0749	.0766	.0784	.0802	.0821
37.4	.0661	.0676	.0692	.0708	.0725	.0741	.0759	.0776	.0794	.0813	.0832
37.6	.0669	.0685	.0701	.0717	.0734	.0751	.0769	.0786	.0805	.0824	.0843
37.8	.0677	.0694	.0710	.0727	.0744	.0761	.0779	.0797	.0815	.0834	.0855
38.0	.0687	.0703	.0719	.0736	.0753	.0771	.0789	.0807	.0826	.0845	.0866
38.2	.0696	.0712	.0729	.0746	.0763	.0781	.0799	.0818	.0837	.0856	.0876
38.4	.0705	.0722	.0738	.0756	.0773	.0791	.0810	.0828	.0848	.0867	.0888
38.6	.0714	.0731	.0748	.0765	.0783	.0801	.0820	.0839	.0859	.0879	.0899
38.8	.0724	.0740	.0758	.0775	.0793	.0812	.0831	.0850	.0870	.0890	.0911
39.0	.0733	.0750	.0767	.0785	.0804	.0822	.0841	.0861	.0881	.0902	.0923
39.2	.0742	.0760	.0777	.0796	.0814	.0833	.0852	.0872	.0893	.0913	.0935
39.4	.0752	.0770	.0788	.0806	.0825	.0844	.0863	.0884	.0904	.0925	.0947
39.6	.0762	.0780	.0798	.0816	.0835	.0855	.0875	.0895	.0916	.0937	.0959
39.8	.0772	.0790	.0808	.0827	.0846	.0866	.0886	.0906	.0928	.0949	.0971
40.0	.0782	.0800	.0818	.0837	.0857	.0877	.0897	.0918	.0940	.0961	.0984

TABLE A-1 CONTINUED

TABLE PAGE 49

TEMP DEG C	5.80	5.81	5.82	5.83	5.84	5.85	PH	5.86	5.87	5.88	5.89	5.90
0	.00522	.00534	.00546	.00559	.00572	.00585		.00599	.00613	.00627	.00642	.00657
.2	.00531	.00543	.00556	.00568	.00582	.00595		.00609	.00623	.00638	.00653	.00668
.4	.00540	.00552	.00565	.00578	.00592	.00605		.00619	.00634	.00649	.00664	.00679
.6	.00549	.00561	.00575	.00588	.00602	.00616		.00630	.00645	.00660	.00675	.00691
.8	.00558	.00571	.00584	.00598	.00612	.00626		.00641	.00655	.00671	.00686	.00702
1.0	.00567	.00581	.00594	.00608	.00622	.00637		.00651	.00667	.00682	.00698	.00714
1.2	.00577	.00590	.00604	.00618	.00633	.00647		.00662	.00678	.00694	.00710	.00726
1.4	.00587	.00600	.00614	.00629	.00643	.00658		.00673	.00689	.00705	.00722	.00738
1.6	.00596	.00610	.00625	.00639	.00654	.00669		.00685	.00701	.00717	.00734	.00751
1.8	.00606	.00621	.00635	.00650	.00665	.00680		.00696	.00713	.00729	.00746	.00763
2.0	.00617	.00631	.00646	.00661	.00676	.00692		.00708	.00724	.00741	.00759	.00776
2.2	.00627	.00642	.00656	.00672	.00687	.00703		.00720	.00737	.00754	.00771	.00789
2.4	.00637	.00652	.00667	.00683	.00699	.00715		.00732	.00749	.00766	.00784	.00802
2.6	.00648	.00663	.00679	.00694	.00711	.00727		.00744	.00761	.00779	.00797	.00816
2.8	.00659	.00674	.00690	.00706	.00722	.00739		.00756	.00774	.00792	.00810	.00829
3.0	.00670	.00685	.00701	.00718	.00734	.00751		.00769	.00787	.00805	.00824	.00843
3.2	.00681	.00697	.00713	.00730	.00747	.00764		.00782	.00800	.00819	.00838	.00857
3.4	.00692	.00708	.00725	.00742	.00759	.00777		.00795	.00813	.00832	.00852	.00871
3.6	.00704	.00720	.00737	.00754	.00771	.00789		.00808	.00827	.00846	.00866	.00886
3.8	.00715	.00732	.00749	.00766	.00784	.00802		.00821	.00840	.00860	.00880	.00900
4.0	.00727	.00744	.00761	.00779	.00797	.00816		.00835	.00854	.00874	.00894	.00915
4.2	.00739	.00756	.00774	.00792	.00810	.00829		.00848	.00868	.00888	.00909	.00930
4.4	.00751	.00769	.00787	.00805	.00824	.00843		.00862	.00883	.00903	.00924	.00946
4.6	.00764	.00781	.00799	.00818	.00837	.00857		.00877	.00897	.00918	.00939	.00961
4.8	.00776	.00794	.00813	.00832	.00851	.00871		.00891	.00912	.00933	.00955	.00977
5.0	.00789	.00807	.00826	.00845	.00865	.00885		.00906	.00927	.00948	.00970	.00993
5.2	.00802	.00820	.00839	.00859	.00879	.00899		.00920	.00942	.00964	.00986	.01009
5.4	.00815	.00834	.00853	.00873	.00893	.00914		.00935	.00957	.00980	.01002	.01026
5.6	.00828	.00847	.00867	.00887	.00908	.00929		.00951	.00973	.00996	.01019	.01042
5.8	.00842	.00861	.00881	.00902	.00923	.00944		.00966	.00989	.01012	.01035	.01059
6.0	.00855	.00875	.00896	.00916	.00938	.00960		.00982	.01005	.01028	.01052	.01077
6.2	.00869	.00889	.00910	.00931	.00953	.00975		.00998	.01021	.01045	.01069	.01094
6.4	.00883	.00904	.00925	.00946	.00968	.00991		.01014	.01038	.01062	.01087	.01112
6.6	.00898	.00918	.00940	.00962	.00984	.01007		.01030	.01054	.01079	.01104	.01130
6.8	.00912	.00933	.00955	.00977	.01000	.01023		.01047	.01072	.01096	.01122	.01148
7.0	.00927	.00948	.00970	.00993	.01016	.01040		.01064	.01089	.01114	.01140	.01167

TABLE A-1 CONTINUED

TABLE PAGE 50

TEMP DEG C	5.80	5.81	5.82	5.83	5.84	5.85 PH	5.86	5.87	5.88	5.89	5.90
7.0	.00927	.00948	.00970	.00993	.01016	.01040	.01064	.01089	.01113	.01132	.01149
7.2	.00942	.00964	.00986	.01009	.01033	.01057	.01081	.01106	.01130	.01150	.01177
7.4	.00957	.00979	.01002	.01025	.01049	.01074	.01099	.01124	.01148	.01169	.01196
7.6	.00972	.00995	.01018	.01042	.01066	.01091	.01116	.01141	.01165	.01188	.01215
7.8	.00988	.01011	.01034	.01058	.01083	.01108	.01133	.01158	.01182	.01207	.01232
8.0	.01000	.01023	.01045	.01068	.01091	.01114	.01137	.01160	.01183	.01206	.01229
8.2	.01017	.01040	.01062	.01084	.01106	.01128	.01150	.01172	.01194	.01216	.01238
8.4	.01035	.01057	.01079	.01101	.01123	.01145	.01167	.01189	.01211	.01233	.01255
8.6	.01053	.01075	.01097	.01119	.01141	.01163	.01185	.01207	.01229	.01251	.01273
8.8	.01071	.01093	.01115	.01137	.01159	.01181	.01203	.01225	.01247	.01269	.01291
9.0	.01089	.01111	.01133	.01155	.01177	.01199	.01221	.01243	.01265	.01287	.01309
9.2	.01107	.01129	.01151	.01173	.01195	.01217	.01239	.01261	.01283	.01305	.01327
9.4	.01125	.01147	.01169	.01191	.01213	.01235	.01257	.01279	.01301	.01323	.01345
9.6	.01143	.01165	.01187	.01209	.01231	.01253	.01275	.01297	.01319	.01341	.01363
9.8	.01161	.01183	.01205	.01227	.01249	.01271	.01293	.01315	.01337	.01359	.01381
10.0	.01179	.01201	.01223	.01245	.01267	.01289	.01311	.01333	.01355	.01377	.01399
10.2	.01197	.01219	.01241	.01263	.01285	.01307	.01329	.01351	.01373	.01395	.01417
10.4	.01215	.01237	.01259	.01281	.01303	.01325	.01347	.01369	.01391	.01413	.01435
10.6	.01233	.01255	.01277	.01299	.01321	.01343	.01365	.01387	.01409	.01431	.01453
10.8	.01251	.01273	.01295	.01317	.01339	.01361	.01383	.01405	.01427	.01449	.01471
11.0	.01269	.01291	.01313	.01335	.01357	.01379	.01401	.01423	.01445	.01467	.01489
11.2	.01287	.01309	.01331	.01353	.01375	.01397	.01419	.01441	.01463	.01485	.01507
11.4	.01305	.01327	.01349	.01371	.01393	.01415	.01437	.01459	.01481	.01503	.01525
11.6	.01323	.01345	.01367	.01389	.01411	.01433	.01455	.01477	.01499	.01521	.01543
11.8	.01341	.01363	.01385	.01407	.01429	.01451	.01473	.01495	.01517	.01539	.01561
12.0	.01359	.01381	.01403	.01425	.01447	.01469	.01491	.01513	.01535	.01557	.01579
12.2	.01377	.01399	.01421	.01443	.01465	.01487	.01509	.01531	.01553	.01575	.01597
12.4	.01395	.01417	.01439	.01461	.01483	.01505	.01527	.01549	.01571	.01593	.01615
12.6	.01413	.01435	.01457	.01479	.01501	.01523	.01545	.01567	.01589	.01611	.01633
12.8	.01431	.01453	.01475	.01497	.01519	.01541	.01563	.01585	.01607	.01629	.01651
13.0	.01449	.01471	.01493	.01515	.01537	.01559	.01581	.01603	.01625	.01647	.01669
13.2	.01467	.01489	.01511	.01533	.01555	.01577	.01599	.01621	.01643	.01665	.01687
13.4	.01485	.01507	.01529	.01551	.01573	.01595	.01617	.01639	.01661	.01683	.01705
13.6	.01503	.01525	.01547	.01569	.01591	.01613	.01635	.01657	.01679	.01701	.01723
13.8	.01521	.01543	.01565	.01587	.01609	.01631	.01653	.01675	.01697	.01719	.01741
14.0	.01539	.01561	.01583	.01605	.01627	.01649	.01671	.01693	.01715	.01737	.01759
14.2	.01557	.01579	.01601	.01623	.01645	.01667	.01689	.01711	.01733	.01755	.01777
14.4	.01575	.01597	.01619	.01641	.01663	.01685	.01707	.01729	.01751	.01773	.01795
14.6	.01593	.01615	.01637	.01659	.01681	.01703	.01725	.01747	.01769	.01791	.01813
14.8	.01611	.01633	.01655	.01677	.01699	.01721	.01743	.01765	.01787	.01809	.01831
15.0	.01629	.01651	.01673	.01695	.01717	.01739	.01761	.01783	.01805	.01827	.01849
15.2	.01647	.01669	.01691	.01713	.01735	.01757	.01779	.01801	.01823	.01845	.01867
15.4	.01665	.01687	.01709	.01731	.01753	.01775	.01797	.01819	.01841	.01863	.01885
15.6	.01683	.01705	.01727	.01749	.01771	.01793	.01815	.01837	.01859	.01881	.01903
15.8	.01701	.01723	.01745	.01767	.01789	.01811	.01833	.01855	.01877	.01899	.01921
16.0	.01719	.01741	.01763	.01785	.01807	.01829	.01851	.01873	.01895	.01917	.01939

TABLE A-1 CONTINUED

TEMP DEG C	5.80	5.81	5.82	5.83	5.84	PH 5.85	5.86	5.87	5.88	5.89	5.90
14.0	.0160	.0164	.0168	.0172	.0176	.0180	.0184	.0188	.0192	.0197	.0200
14.2	.0163	.0166	.0170	.0174	.0178	.0182	.0186	.0190	.0194	.0200	.0208
14.4	.0165	.0169	.0173	.0177	.0181	.0185	.0189	.0193	.0197	.0203	.0211
14.6	.0168	.0171	.0175	.0179	.0183	.0187	.0191	.0195	.0200	.0206	.0214
14.8	.0170	.0174	.0178	.0182	.0186	.0190	.0194	.0198	.0203	.0209	.0217
15.0	.0173	.0177	.0181	.0185	.0189	.0193	.0197	.0201	.0206	.0212	.0220
15.2	.0175	.0179	.0184	.0188	.0192	.0197	.0201	.0206	.0211	.0217	.0225
15.4	.0178	.0182	.0186	.0191	.0195	.0200	.0204	.0209	.0214	.0220	.0228
15.6	.0181	.0185	.0189	.0194	.0198	.0203	.0207	.0212	.0217	.0222	.0230
15.8	.0183	.0188	.0192	.0197	.0201	.0206	.0211	.0216	.0221	.0226	.0234
16.0	.0186	.0191	.0195	.0200	.0204	.0209	.0214	.0219	.0224	.0229	.0237
16.2	.0189	.0193	.0198	.0203	.0207	.0212	.0217	.0222	.0227	.0233	.0241
16.4	.0192	.0196	.0201	.0206	.0210	.0215	.0220	.0225	.0230	.0236	.0244
16.6	.0195	.0199	.0204	.0209	.0213	.0218	.0223	.0228	.0233	.0239	.0247
16.8	.0198	.0202	.0207	.0212	.0217	.0222	.0227	.0232	.0237	.0243	.0251
17.0	.0201	.0205	.0210	.0215	.0220	.0225	.0230	.0235	.0240	.0247	.0255
17.2	.0204	.0208	.0213	.0218	.0223	.0228	.0233	.0238	.0243	.0250	.0258
17.4	.0207	.0211	.0216	.0221	.0226	.0231	.0236	.0241	.0246	.0254	.0262
17.6	.0210	.0214	.0219	.0224	.0229	.0234	.0239	.0244	.0249	.0257	.0265
17.8	.0213	.0217	.0222	.0227	.0232	.0237	.0242	.0247	.0252	.0260	.0268
18.0	.0216	.0221	.0226	.0231	.0236	.0241	.0246	.0251	.0256	.0264	.0272
18.2	.0219	.0223	.0228	.0233	.0238	.0243	.0248	.0253	.0258	.0266	.0274
18.4	.0222	.0226	.0231	.0236	.0241	.0246	.0251	.0256	.0261	.0269	.0277
18.6	.0225	.0229	.0234	.0239	.0244	.0249	.0254	.0259	.0264	.0272	.0280
18.8	.0228	.0232	.0237	.0242	.0247	.0252	.0257	.0262	.0267	.0275	.0283
19.0	.0231	.0235	.0240	.0245	.0250	.0255	.0260	.0265	.0270	.0278	.0286
19.2	.0234	.0238	.0243	.0248	.0253	.0258	.0263	.0268	.0273	.0281	.0289
19.4	.0237	.0241	.0246	.0251	.0256	.0261	.0266	.0271	.0276	.0284	.0292
19.6	.0240	.0244	.0249	.0254	.0259	.0264	.0269	.0274	.0279	.0287	.0295
19.8	.0243	.0247	.0252	.0257	.0262	.0267	.0272	.0277	.0282	.0290	.0298
20.0	.0246	.0250	.0255	.0260	.0265	.0270	.0275	.0280	.0285	.0293	.0301
20.2	.0249	.0253	.0258	.0263	.0268	.0273	.0278	.0283	.0288	.0296	.0304
20.4	.0252	.0256	.0261	.0266	.0271	.0276	.0281	.0286	.0291	.0299	.0307
20.6	.0255	.0259	.0264	.0269	.0274	.0279	.0284	.0289	.0294	.0302	.0310
20.8	.0258	.0262	.0267	.0272	.0277	.0282	.0287	.0292	.0297	.0305	.0313
21.0	.0261	.0265	.0270	.0275	.0280	.0285	.0290	.0295	.0300	.0308	.0316
21.2	.0264	.0268	.0273	.0278	.0283	.0288	.0293	.0298	.0303	.0311	.0319
21.4	.0267	.0271	.0276	.0281	.0286	.0291	.0296	.0301	.0306	.0314	.0322
21.6	.0270	.0274	.0279	.0284	.0289	.0294	.0299	.0304	.0309	.0317	.0325
21.8	.0273	.0277	.0282	.0287	.0292	.0297	.0302	.0307	.0312	.0320	.0328
22.0	.0276	.0280	.0285	.0290	.0295	.0300	.0305	.0310	.0315	.0323	.0331
22.2	.0279	.0283	.0288	.0293	.0298	.0303	.0308	.0313	.0318	.0326	.0334
22.4	.0282	.0286	.0291	.0296	.0301	.0306	.0311	.0316	.0321	.0329	.0337
22.6	.0285	.0289	.0294	.0299	.0304	.0309	.0314	.0319	.0324	.0332	.0340
22.8	.0288	.0292	.0297	.0302	.0307	.0312	.0317	.0322	.0327	.0335	.0343
23.0	.0291	.0295	.0300	.0305	.0310	.0315	.0320	.0325	.0330	.0338	.0346

TABLE A-1 CONTINUED

TABLE PAGE 52

TEMP DEG C	5.80	5.81	5.82	5.83	5.84	PH 5.85	5.86	5.87	5.88	5.89	5.90
21.0	.0269	.0276	.0282	.0289	.0295	.0302	.0309	.0317	.0324	.0331	.0339
21.2	.0273	.0280	.0286	.0293	.0300	.0307	.0314	.0321	.0328	.0336	.0344
21.4	.0277	.0284	.0290	.0297	.0304	.0311	.0318	.0326	.0333	.0341	.0349
21.6	.0281	.0288	.0295	.0301	.0309	.0316	.0323	.0331	.0338	.0346	.0354
21.8	.0285	.0292	.0299	.0306	.0313	.0320	.0327	.0335	.0342	.0350	.0358
22.0	.0290	.0296	.0303	.0310	.0318	.0325	.0333	.0340	.0348	.0356	.0365
22.2	.0294	.0301	.0308	.0315	.0322	.0330	.0337	.0345	.0353	.0361	.0370
22.4	.0298	.0305	.0312	.0319	.0327	.0334	.0342	.0350	.0358	.0367	.0375
22.6	.0302	.0309	.0317	.0324	.0332	.0339	.0347	.0355	.0364	.0372	.0381
22.8	.0307	.0314	.0321	.0329	.0336	.0344	.0352	.0360	.0369	.0377	.0386
23.0	.0311	.0318	.0326	.0333	.0341	.0349	.0357	.0366	.0374	.0383	.0392
23.2	.0316	.0323	.0331	.0338	.0346	.0354	.0362	.0371	.0380	.0388	.0397
23.4	.0320	.0328	.0335	.0343	.0351	.0359	.0368	.0376	.0385	.0394	.0403
23.6	.0325	.0332	.0340	.0348	.0356	.0364	.0373	.0382	.0391	.0400	.0409
23.8	.0329	.0337	.0345	.0353	.0361	.0370	.0378	.0387	.0396	.0405	.0414
24.0	.0334	.0342	.0350	.0358	.0366	.0375	.0384	.0393	.0402	.0411	.0421
24.2	.0339	.0347	.0355	.0363	.0372	.0380	.0389	.0398	.0408	.0417	.0427
24.4	.0344	.0352	.0360	.0368	.0377	.0386	.0395	.0404	.0413	.0423	.0433
24.6	.0349	.0357	.0365	.0374	.0383	.0391	.0400	.0410	.0419	.0429	.0439
24.8	.0354	.0362	.0370	.0379	.0388	.0397	.0406	.0416	.0425	.0435	.0445
25.0	.0359	.0367	.0376	.0384	.0393	.0403	.0412	.0421	.0431	.0441	.0452
25.2	.0364	.0372	.0381	.0390	.0399	.0408	.0418	.0427	.0437	.0448	.0458
25.4	.0369	.0378	.0386	.0395	.0405	.0414	.0424	.0434	.0444	.0454	.0465
25.6	.0374	.0383	.0392	.0401	.0410	.0420	.0430	.0440	.0450	.0460	.0471
25.8	.0380	.0388	.0397	.0407	.0416	.0426	.0436	.0446	.0456	.0467	.0478
26.0	.0385	.0394	.0403	.0412	.0422	.0432	.0442	.0452	.0463	.0474	.0485
26.2	.0390	.0399	.0409	.0418	.0428	.0438	.0448	.0459	.0469	.0480	.0491
26.4	.0396	.0405	.0415	.0424	.0434	.0444	.0455	.0465	.0476	.0487	.0498
26.6	.0401	.0411	.0420	.0430	.0440	.0450	.0461	.0472	.0483	.0494	.0505
26.8	.0407	.0417	.0426	.0436	.0446	.0457	.0467	.0478	.0489	.0500	.0512
27.0	.0413	.0422	.0432	.0442	.0453	.0463	.0474	.0485	.0496	.0508	.0520
27.2	.0419	.0428	.0438	.0448	.0459	.0470	.0481	.0492	.0503	.0515	.0527
27.4	.0424	.0434	.0444	.0455	.0465	.0476	.0487	.0499	.0510	.0522	.0534
27.6	.0430	.0440	.0451	.0461	.0472	.0483	.0494	.0506	.0517	.0529	.0542
27.8	.0436	.0447	.0457	.0468	.0479	.0490	.0501	.0512	.0523	.0534	.0547
28.0	.0443	.0453	.0463	.0474	.0485	.0496	.0508	.0519	.0530	.0542	.0555

TABLE A-1 CONTINUED

TABLE PAGE 53

TEMP DEG C	5.80	5.81	5.82	5.83	5.84	PH 5.85	5.86	5.87	5.88	5.89	5.90
28.0	.0443	.0453	.0463	.0474	.0485	.0496	.0508	.0520	.0533	.0544	.0555
28.2	.0449	.0459	.0470	.0481	.0492	.0503	.0515	.0527	.0539	.0550	.0561
28.4	.0455	.0466	.0476	.0487	.0499	.0510	.0522	.0534	.0546	.0557	.0568
28.6	.0461	.0472	.0483	.0494	.0506	.0517	.0529	.0541	.0552	.0564	.0575
28.8	.0468	.0479	.0490	.0501	.0513	.0525	.0537	.0549	.0560	.0572	.0583
29.0	.0474	.0485	.0496	.0508	.0520	.0532	.0544	.0556	.0568	.0580	.0591
29.2	.0481	.0492	.0503	.0515	.0527	.0539	.0551	.0563	.0575	.0587	.0599
29.4	.0487	.0499	.0510	.0522	.0534	.0546	.0558	.0570	.0582	.0594	.0606
29.6	.0494	.0506	.0517	.0529	.0541	.0553	.0565	.0577	.0589	.0601	.0613
29.8	.0501	.0513	.0524	.0537	.0549	.0561	.0573	.0585	.0597	.0609	.0621
30.0	.0508	.0520	.0532	.0544	.0556	.0568	.0580	.0592	.0604	.0616	.0628
30.2	.0515	.0527	.0539	.0552	.0564	.0576	.0588	.0600	.0612	.0624	.0636
30.4	.0522	.0534	.0546	.0559	.0571	.0583	.0595	.0607	.0619	.0631	.0643
30.6	.0529	.0541	.0554	.0567	.0579	.0591	.0603	.0615	.0627	.0639	.0651
30.8	.0536	.0549	.0561	.0575	.0588	.0600	.0612	.0624	.0636	.0648	.0660
31.0	.0544	.0556	.0569	.0582	.0596	.0609	.0621	.0633	.0645	.0657	.0669
31.2	.0551	.0564	.0577	.0590	.0604	.0617	.0629	.0641	.0653	.0665	.0678
31.4	.0559	.0572	.0585	.0598	.0612	.0625	.0637	.0649	.0661	.0673	.0686
31.6	.0566	.0579	.0593	.0607	.0621	.0634	.0646	.0658	.0670	.0682	.0694
31.8	.0574	.0587	.0601	.0615	.0629	.0642	.0654	.0666	.0678	.0690	.0702
32.0	.0582	.0595	.0609	.0623	.0638	.0651	.0663	.0675	.0687	.0699	.0711
32.2	.0590	.0603	.0617	.0632	.0646	.0659	.0671	.0683	.0695	.0707	.0719
32.4	.0598	.0611	.0626	.0640	.0655	.0668	.0680	.0692	.0704	.0716	.0728
32.6	.0606	.0620	.0634	.0649	.0664	.0677	.0689	.0701	.0713	.0725	.0737
32.8	.0614	.0628	.0643	.0658	.0673	.0685	.0697	.0709	.0721	.0733	.0745
33.0	.0622	.0637	.0651	.0667	.0682	.0694	.0706	.0718	.0730	.0742	.0754
33.2	.0630	.0645	.0660	.0676	.0691	.0703	.0715	.0727	.0739	.0751	.0763
33.4	.0639	.0654	.0669	.0685	.0701	.0712	.0724	.0736	.0748	.0760	.0772
33.6	.0648	.0663	.0678	.0694	.0710	.0721	.0733	.0745	.0757	.0769	.0781
33.8	.0656	.0671	.0687	.0703	.0719	.0730	.0742	.0754	.0766	.0778	.0790
34.0	.0665	.0680	.0696	.0713	.0729	.0740	.0752	.0764	.0776	.0788	.0800
34.2	.0674	.0690	.0706	.0722	.0739	.0750	.0762	.0774	.0786	.0798	.0810
34.4	.0683	.0699	.0715	.0732	.0749	.0760	.0772	.0784	.0796	.0808	.0820
34.6	.0692	.0708	.0725	.0742	.0759	.0770	.0782	.0794	.0806	.0818	.0830
34.8	.0701	.0718	.0734	.0751	.0769	.0780	.0792	.0804	.0816	.0828	.0840
35.0	.0711	.0727	.0744	.0761	.0779	.0790	.0802	.0814	.0826	.0838	.0850

TABLE A-1 CONTINUED

TABLE PAGE 54

TEMP DEG C	5.80	5.81	5.82	5.83	5.84	PH 5.85	5.86	5.87	5.88	5.89	5.90
35.0	.0711	.0727	.0744	.0761	.0779	.0797	.0816	.0835	.0854	.0874	.0894
35.2	.0720	.0737	.0754	.0772	.0789	.0808	.0827	.0846	.0866	.0886	.0906
35.4	.0730	.0747	.0764	.0782	.0800	.0819	.0838	.0857	.0877	.0897	.0918
35.6	.0739	.0757	.0774	.0792	.0811	.0829	.0849	.0869	.0889	.0909	.0931
35.8	.0749	.0767	.0784	.0803	.0821	.0840	.0860	.0880	.0900	.0921	.0943
36.0	.0759	.0777	.0795	.0813	.0832	.0852	.0871	.0892	.0912	.0934	.0955
36.2	.0769	.0787	.0805	.0824	.0843	.0863	.0883	.0903	.0924	.0946	.0968
36.4	.0779	.0797	.0816	.0835	.0854	.0874	.0895	.0915	.0937	.0958	.0981
36.6	.0789	.0808	.0827	.0846	.0866	.0886	.0906	.0927	.0949	.0971	.0994
36.8	.0800	.0818	.0838	.0857	.0877	.0897	.0918	.0940	.0961	.0984	.1007
37.0	.0810	.0829	.0849	.0868	.0889	.0909	.0930	.0952	.0974	.0997	.1020
37.2	.0821	.0840	.0860	.0880	.0900	.0921	.0943	.0964	.0987	.1010	.1033
37.4	.0832	.0851	.0871	.0891	.0912	.0933	.0955	.0977	.1000	.1023	.1047
37.6	.0843	.0862	.0882	.0903	.0924	.0945	.0967	.0990	.1013	.1037	.1061
37.8	.0855	.0874	.0894	.0915	.0936	.0958	.0980	.1003	.1026	.1050	.1075
38.0	.0865	.0885	.0906	.0927	.0948	.0970	.0993	.1016	.1040	.1064	.1089
38.2	.0876	.0897	.0917	.0939	.0961	.0983	.1006	.1029	.1053	.1078	.1103
38.4	.0888	.0908	.0929	.0951	.0973	.0996	.1019	.1043	.1067	.1092	.1117
38.6	.0899	.0920	.0941	.0963	.0986	.1009	.1032	.1056	.1081	.1106	.1132
38.8	.0911	.0932	.0954	.0976	.0999	.1022	.1046	.1070	.1095	.1120	.1146
39.0	.0923	.0944	.0966	.0989	.1012	.1035	.1059	.1084	.1109	.1135	.1161
39.2	.0935	.0956	.0979	.1001	.1025	.1048	.1073	.1098	.1123	.1149	.1176
39.4	.0947	.0969	.0991	.1014	.1038	.1062	.1087	.1112	.1138	.1164	.1191
39.6	.0959	.0981	.1004	.1027	.1051	.1076	.1101	.1126	.1153	.1179	.1207
39.8	.0971	.0994	.1017	.1041	.1065	.1090	.1115	.1141	.1167	.1195	.1223
40.0	.0984	.1007	.1030	.1054	.1079	.1104	.1129	.1156	.1183	.1210	.1238

TABLE A-1 CONTINUED

TEMP DEG C	5.90	5.91	5.92	5.93	5.94	5.95	5.96	5.97	5.98	5.99	6.00
0	.00657	.00672	.00688	.00704	.00720	.00737	.00754	.00772	.00790	.00808	.00827
.2	.00668	.00683	.00699	.00716	.00732	.00749	.00767	.00785	.00803	.00822	.00841
.4	.00679	.00695	.00711	.00728	.00745	.00762	.00780	.00798	.00817	.00836	.00855
.6	.00691	.00707	.00723	.00740	.00757	.00775	.00793	.00811	.00830	.00850	.00870
.8	.00702	.00719	.00735	.00753	.00770	.00788	.00806	.00825	.00844	.00864	.00884
1.0	.00714	.00731	.00748	.00765	.00783	.00801	.00820	.00839	.00859	.00879	.00899
1.2	.00726	.00743	.00760	.00778	.00796	.00815	.00834	.00853	.00873	.00893	.00914
1.4	.00738	.00756	.00773	.00791	.00810	.00829	.00848	.00868	.00888	.00908	.00930
1.6	.00751	.00768	.00786	.00805	.00823	.00842	.00862	.00882	.00903	.00924	.00945
1.8	.00763	.00781	.00799	.00818	.00837	.00857	.00877	.00897	.00918	.00939	.00961
2.0	.00776	.00794	.00813	.00832	.00851	.00871	.00891	.00912	.00933	.00955	.00977
2.2	.00789	.00808	.00826	.00846	.00865	.00886	.00906	.00927	.00949	.00971	.00994
2.4	.00802	.00821	.00840	.00860	.00880	.00900	.00921	.00943	.00965	.00987	.01010
2.6	.00816	.00835	.00854	.00874	.00894	.00915	.00937	.00958	.00981	.01004	.01027
2.8	.00829	.00849	.00868	.00889	.00909	.00931	.00952	.00974	.00997	.01020	.01044
3.0	.00843	.00863	.00883	.00903	.00924	.00946	.00968	.00991	.01014	.01037	.01061
3.2	.00857	.00877	.00898	.00918	.00940	.00962	.00984	.01007	.01030	.01054	.01079
3.4	.00871	.00892	.00912	.00934	.00955	.00978	.01000	.01024	.01048	.01072	.01097
3.6	.00886	.00906	.00928	.00949	.00971	.00994	.01017	.01041	.01065	.01090	.01115
3.8	.00900	.00921	.00943	.00965	.00987	.01010	.01034	.01058	.01082	.01108	.01132
4.0	.00915	.00937	.00958	.00981	.01004	.01027	.01051	.01075	.01100	.01126	.01152
4.2	.00930	.00952	.00974	.00997	.01020	.01044	.01068	.01093	.01118	.01145	.01171
4.4	.00946	.00968	.00990	.01013	.01037	.01061	.01086	.01111	.01137	.01163	.01190
4.6	.00961	.00984	.01006	.01030	.01054	.01078	.01104	.01129	.01156	.01182	.01210
4.8	.00977	.01000	.01023	.01047	.01071	.01096	.01122	.01148	.01175	.01202	.01230
5.0	.00993	.01016	.01040	.01064	.01089	.01114	.01140	.01167	.01194	.01222	.01250
5.2	.0101	.0103	.0106	.0108	.0111	.0113	.0116	.0119	.0121	.0124	.0127
5.4	.0103	.0105	.0107	.0110	.0112	.0115	.0118	.0121	.0123	.0126	.0129
5.6	.0104	.0107	.0109	.0112	.0114	.0117	.0120	.0122	.0125	.0128	.0131
5.8	.0106	.0108	.0111	.0114	.0116	.0119	.0122	.0124	.0127	.0130	.0133
6.0	.0108	.0110	.0113	.0115	.0118	.0121	.0124	.0126	.0129	.0132	.0136
6.2	.0109	.0112	.0115	.0117	.0120	.0123	.0126	.0129	.0132	.0135	.0138
6.4	.0111	.0114	.0116	.0119	.0122	.0125	.0128	.0131	.0134	.0137	.0140
6.6	.0113	.0116	.0118	.0121	.0124	.0127	.0130	.0133	.0136	.0141	.0144
6.8	.0115	.0117	.0120	.0123	.0126	.0129	.0132	.0135	.0138	.0144	.0147
7.0	.0117	.0119	.0122	.0125	.0128	.0131	.0134	.0137	.0140	.0144	.0147

TABLE A-1 CONTINUED

TABLE PAGE 56

TEMP DEG C	5.90	5.91	5.92	5.93	5.94	PH 5.95	5.96	5.97	5.98	5.99	6.00
7.0	.0117	.0119	.0122	.0125	.0128	.0131	.0134	.0137	.0140	.0144	.0147
7.2	.0119	.0121	.0124	.0127	.0130	.0133	.0136	.0139	.0142	.0146	.0149
7.4	.0120	.0123	.0126	.0129	.0132	.0135	.0138	.0141	.0144	.0148	.0151
7.6	.0122	.0125	.0128	.0131	.0134	.0137	.0140	.0143	.0146	.0150	.0153
7.8	.0124	.0127	.0130	.0133	.0136	.0140	.0143	.0146	.0150	.0153	.0157
8.0	.0126	.0129	.0132	.0135	.0139	.0142	.0145	.0148	.0152	.0155	.0159
8.2	.0128	.0131	.0134	.0138	.0141	.0144	.0147	.0151	.0154	.0158	.0162
8.4	.0130	.0133	.0137	.0140	.0143	.0146	.0150	.0153	.0157	.0160	.0164
8.6	.0133	.0136	.0141	.0144	.0148	.0151	.0155	.0158	.0162	.0166	.0169
8.8	.0135	.0138	.0143	.0147	.0150	.0153	.0157	.0161	.0164	.0168	.0172
9.0	.0137	.0140	.0145	.0149	.0152	.0156	.0160	.0163	.0167	.0171	.0175
9.2	.0139	.0142	.0148	.0151	.0155	.0158	.0162	.0166	.0170	.0174	.0178
9.4	.0141	.0144	.0150	.0154	.0157	.0161	.0165	.0168	.0172	.0176	.0180
9.6	.0143	.0147	.0153	.0156	.0160	.0163	.0167	.0171	.0175	.0179	.0183
9.8	.0146	.0151	.0155	.0159	.0162	.0166	.0170	.0174	.0178	.0182	.0186
10.0	.0148	.0151	.0157	.0161	.0165	.0169	.0173	.0177	.0181	.0185	.0189
10.2	.0150	.0154	.0160	.0164	.0167	.0171	.0175	.0179	.0183	.0187	.0191
10.4	.0153	.0156	.0162	.0166	.0170	.0174	.0178	.0182	.0186	.0190	.0194
10.6	.0155	.0159	.0165	.0169	.0173	.0177	.0181	.0185	.0189	.0193	.0197
10.8	.0157	.0161	.0167	.0171	.0175	.0179	.0183	.0187	.0191	.0195	.0199
11.0	.0160	.0164	.0170	.0174	.0178	.0182	.0186	.0190	.0194	.0198	.0201
11.2	.0162	.0166	.0172	.0176	.0180	.0184	.0188	.0192	.0196	.0200	.0204
11.4	.0165	.0169	.0175	.0179	.0183	.0187	.0191	.0195	.0199	.0203	.0207
11.6	.0168	.0171	.0177	.0181	.0185	.0189	.0193	.0197	.0201	.0205	.0209
11.8	.0170	.0174	.0180	.0184	.0188	.0192	.0196	.0200	.0204	.0208	.0212
12.0	.0173	.0177	.0183	.0187	.0190	.0194	.0198	.0202	.0206	.0210	.0214
12.2	.0176	.0180	.0186	.0190	.0192	.0197	.0201	.0205	.0209	.0213	.0217
12.4	.0178	.0182	.0188	.0191	.0195	.0199	.0203	.0207	.0211	.0215	.0219
12.6	.0181	.0185	.0190	.0194	.0197	.0201	.0205	.0209	.0213	.0217	.0221
12.8	.0184	.0188	.0193	.0197	.0200	.0204	.0208	.0212	.0216	.0220	.0224
13.0	.0187	.0191	.0195	.0199	.0202	.0206	.0210	.0214	.0218	.0222	.0226
13.2	.0190	.0194	.0198	.0201	.0205	.0209	.0213	.0217	.0221	.0225	.0229
13.4	.0192	.0196	.0200	.0203	.0207	.0211	.0215	.0219	.0223	.0227	.0231
13.6	.0195	.0199	.0203	.0206	.0210	.0214	.0218	.0222	.0226	.0230	.0234
13.8	.0198	.0202	.0206	.0209	.0213	.0217	.0221	.0225	.0229	.0233	.0237
14.0	.0200	.0204	.0208	.0211	.0215	.0219	.0223	.0227	.0231	.0235	.0239

TABLE A-1 CONTINUED

TEMP DEG C	5.90	5.91	5.92	5.93	5.94	PH 5.95	5.96	5.97	5.98	5.99	6.00
14.0	.0205	.0206	.0211	.0216	.0221	.0224	.0235	.0240	.0246	.0248	.0254
14.2	.0208	.0209	.0214	.0219	.0224	.0228	.0239	.0244	.0250	.0252	.0258
14.4	.0211	.0213	.0218	.0223	.0228	.0232	.0243	.0248	.0254	.0256	.0262
14.6	.0214	.0216	.0221	.0226	.0231	.0235	.0246	.0251	.0257	.0259	.0265
14.8	.0217	.0222	.0228	.0233	.0238	.0244	.0255	.0260	.0266	.0268	.0274
15.0	.0221	.0226	.0231	.0237	.0242	.0248	.0259	.0264	.0270	.0272	.0278
15.2	.0224	.0229	.0235	.0240	.0246	.0251	.0262	.0267	.0273	.0276	.0282
15.4	.0227	.0233	.0238	.0244	.0249	.0255	.0266	.0271	.0277	.0280	.0286
15.6	.0231	.0236	.0242	.0247	.0253	.0259	.0270	.0275	.0282	.0284	.0290
15.8	.0234	.0240	.0245	.0251	.0257	.0263	.0274	.0279	.0286	.0288	.0294
16.0	.0238	.0244	.0249	.0255	.0261	.0267	.0278	.0283	.0290	.0293	.0300
16.2	.0242	.0247	.0253	.0259	.0265	.0271	.0282	.0287	.0294	.0297	.0304
16.4	.0245	.0251	.0257	.0263	.0269	.0275	.0286	.0291	.0298	.0301	.0308
16.6	.0249	.0255	.0261	.0267	.0273	.0279	.0290	.0295	.0302	.0306	.0313
16.8	.0253	.0259	.0265	.0271	.0277	.0283	.0294	.0299	.0306	.0311	.0318
17.0	.0256	.0262	.0269	.0275	.0281	.0287	.0298	.0303	.0310	.0315	.0322
17.2	.0260	.0266	.0273	.0279	.0285	.0291	.0302	.0307	.0314	.0320	.0328
17.4	.0264	.0270	.0277	.0283	.0289	.0295	.0306	.0311	.0318	.0325	.0333
17.6	.0268	.0274	.0281	.0287	.0293	.0299	.0310	.0315	.0322	.0330	.0338
17.8	.0272	.0279	.0285	.0292	.0298	.0305	.0316	.0321	.0327	.0335	.0343
18.0	.0276	.0283	.0289	.0296	.0303	.0309	.0320	.0325	.0332	.0340	.0348
18.2	.0280	.0287	.0294	.0300	.0307	.0313	.0324	.0329	.0336	.0345	.0353
18.4	.0285	.0291	.0298	.0305	.0312	.0318	.0329	.0334	.0341	.0350	.0358
18.6	.0289	.0295	.0302	.0309	.0316	.0322	.0333	.0338	.0345	.0355	.0363
18.8	.0293	.0299	.0307	.0314	.0321	.0327	.0338	.0343	.0350	.0360	.0369
19.0	.0297	.0304	.0311	.0319	.0326	.0332	.0343	.0348	.0355	.0366	.0374
19.2	.0302	.0309	.0316	.0323	.0330	.0336	.0347	.0352	.0360	.0371	.0380
19.4	.0306	.0313	.0321	.0328	.0335	.0341	.0352	.0357	.0365	.0377	.0385
19.6	.0311	.0318	.0325	.0333	.0340	.0346	.0357	.0362	.0370	.0382	.0391
19.8	.0315	.0322	.0330	.0338	.0345	.0351	.0362	.0367	.0375	.0388	.0397
20.0	.0320	.0327	.0335	.0343	.0351	.0357	.0368	.0373	.0381	.0394	.0403
20.2	.0325	.0332	.0340	.0348	.0356	.0362	.0373	.0378	.0386	.0399	.0408
20.4	.0329	.0337	.0345	.0353	.0361	.0367	.0378	.0383	.0391	.0405	.0414
20.6	.0334	.0341	.0349	.0357	.0365	.0371	.0382	.0387	.0395	.0410	.0419
20.8	.0338	.0346	.0354	.0362	.0370	.0376	.0387	.0392	.0400	.0415	.0424
21.0	.0343	.0350	.0358	.0366	.0374	.0380	.0391	.0396	.0404	.0420	.0429

TABLE A-1 CONTINUED

TABLE PAGE 58

TEMP DEG C	5.90	5.91	5.92	5.93	5.94	PH 5.95	5.96	5.97	5.98	5.99	6.00
21.0	.0339	.0347	.0355	.0363	.0372	.0381	.0389	.0398	.0408	.0417	.0427
21.2	.0344	.0352	.0360	.0369	.0377	.0386	.0395	.0404	.0414	.0423	.0433
21.4	.0349	.0357	.0366	.0374	.0383	.0392	.0401	.0410	.0420	.0429	.0439
21.6	.0354	.0362	.0371	.0380	.0389	.0397	.0407	.0416	.0426	.0436	.0446
21.8	.0359	.0368	.0376	.0385	.0394	.0403	.0413	.0422	.0432	.0442	.0452
22.0	.0365	.0373	.0382	.0391	.0400	.0409	.0419	.0428	.0438	.0448	.0459
22.2	.0370	.0378	.0387	.0396	.0406	.0415	.0425	.0435	.0445	.0455	.0466
22.4	.0375	.0384	.0393	.0402	.0411	.0421	.0431	.0441	.0451	.0462	.0472
22.6	.0381	.0390	.0399	.0408	.0417	.0427	.0437	.0447	.0458	.0468	.0479
22.8	.0386	.0395	.0404	.0414	.0423	.0433	.0443	.0454	.0464	.0475	.0486
23.0	.0392	.0401	.0410	.0420	.0430	.0440	.0450	.0460	.0471	.0482	.0493
23.2	.0397	.0407	.0416	.0426	.0436	.0446	.0456	.0467	.0478	.0489	.0500
23.4	.0403	.0412	.0422	.0432	.0442	.0452	.0463	.0474	.0485	.0496	.0507
23.6	.0409	.0418	.0428	.0438	.0448	.0459	.0469	.0480	.0492	.0503	.0515
23.8	.0415	.0424	.0434	.0444	.0455	.0465	.0476	.0487	.0499	.0510	.0522
24.0	.0421	.0431	.0441	.0451	.0461	.0472	.0483	.0494	.0506	.0518	.0530
24.2	.0427	.0437	.0447	.0457	.0468	.0479	.0490	.0501	.0513	.0525	.0537
24.4	.0433	.0443	.0453	.0464	.0475	.0486	.0497	.0509	.0520	.0532	.0545
24.6	.0439	.0449	.0460	.0471	.0481	.0493	.0504	.0516	.0528	.0540	.0553
24.8	.0445	.0456	.0466	.0477	.0488	.0500	.0511	.0523	.0535	.0548	.0561
25.0	.0452	.0462	.0473	.0484	.0495	.0507	.0518	.0531	.0543	.0556	.0568
25.2	.0458	.0469	.0480	.0491	.0502	.0514	.0523	.0538	.0551	.0563	.0577
25.4	.0465	.0475	.0486	.0498	.0509	.0521	.0533	.0546	.0558	.0571	.0585
25.6	.0471	.0482	.0493	.0505	.0517	.0529	.0541	.0553	.0566	.0580	.0593
25.8	.0478	.0489	.0500	.0512	.0524	.0536	.0549	.0561	.0574	.0588	.0601
26.0	.0485	.0496	.0507	.0519	.0531	.0544	.0556	.0569	.0583	.0596	.0610
26.2	.0491	.0503	.0515	.0527	.0539	.0551	.0564	.0577	.0591	.0604	.0619
26.4	.0498	.0510	.0522	.0534	.0546	.0559	.0572	.0585	.0599	.0613	.0627
26.6	.0505	.0517	.0529	.0541	.0554	.0567	.0580	.0594	.0608	.0622	.0636
26.8	.0512	.0524	.0537	.0549	.0562	.0575	.0588	.0602	.0616	.0630	.0645
27.0	.0520	.0532	.0544	.0557	.0570	.0583	.0597	.0610	.0625	.0639	.0654
27.2	.0527	.0539	.0552	.0565	.0578	.0591	.0605	.0619	.0633	.0648	.0663
27.4	.0534	.0547	.0559	.0573	.0586	.0599	.0613	.0627	.0642	.0657	.0672
27.6	.0542	.0554	.0567	.0581	.0608	.0622	.0631	.0645	.0660	.0676	.0692
27.8	.0549	.0562	.0575	.0589	.0616	.0625	.0640	.0654	.0670	.0685	.0701

TABLE A-1 CONTINUED

TEMP DEG C	5.90	5.91	5.92	5.93	5.94	PH 5.95	5.96	5.97	5.98	5.99	6.00
28.0	.0557	.0570	.0583	.0597	.0611	.0625	.0640	.0654	.0670	.0685	.0701
28.2	.0565	.0578	.0591	.0605	.0619	.0634	.0648	.0664	.0679	.0695	.0711
28.4	.0573	.0586	.0600	.0614	.0628	.0642	.0657	.0673	.0688	.0704	.0721
28.6	.0581	.0594	.0608	.0622	.0637	.0651	.0666	.0682	.0698	.0714	.0731
28.8	.0589	.0602	.0616	.0631	.0645	.0660	.0676	.0692	.0708	.0724	.0741
29.0	.0597	.0611	.0625	.0639	.0654	.0670	.0685	.0701	.0717	.0734	.0751
29.2	.0605	.0619	.0634	.0648	.0663	.0679	.0695	.0711	.0727	.0744	.0762
29.4	.0613	.0628	.0642	.0657	.0673	.0688	.0704	.0721	.0737	.0755	.0772
29.6	.0622	.0636	.0651	.0666	.0682	.0698	.0714	.0731	.0748	.0765	.0783
29.8	.0631	.0645	.0660	.0676	.0691	.0707	.0724	.0741	.0758	.0776	.0794
30.0	.0639	.0654	.0669	.0685	.0701	.0717	.0734	.0751	.0768	.0786	.0805
30.2	.0648	.0663	.0678	.0694	.0710	.0727	.0744	.0761	.0779	.0797	.0816
30.4	.0657	.0672	.0688	.0704	.0720	.0737	.0754	.0772	.0790	.0808	.0827
30.6	.0666	.0681	.0697	.0713	.0730	.0747	.0764	.0782	.0800	.0819	.0838
30.8	.0675	.0691	.0707	.0723	.0740	.0757	.0775	.0793	.0811	.0830	.0850
31.0	.0684	.0700	.0716	.0733	.0750	.0768	.0786	.0804	.0823	.0842	.0861
31.2	.0694	.0710	.0726	.0743	.0760	.0778	.0796	.0815	.0834	.0853	.0873
31.4	.0703	.0719	.0736	.0753	.0771	.0789	.0807	.0826	.0845	.0865	.0885
31.6	.0713	.0729	.0746	.0764	.0781	.0799	.0818	.0837	.0857	.0877	.0897
31.8	.0722	.0739	.0756	.0774	.0792	.0810	.0829	.0849	.0868	.0888	.0909
32.0	.0732	.0749	.0767	.0784	.0803	.0821	.0840	.0860	.0880	.0901	.0921
32.2	.0742	.0759	.0777	.0795	.0814	.0833	.0852	.0872	.0892	.0913	.0934
32.4	.0752	.0770	.0788	.0806	.0825	.0844	.0863	.0884	.0904	.0925	.0947
32.6	.0762	.0780	.0798	.0817	.0836	.0855	.0875	.0895	.0916	.0938	.0959
32.8	.0773	.0791	.0809	.0828	.0847	.0867	.0887	.0908	.0929	.0950	.0972
33.0	.0783	.0801	.0820	.0839	.0858	.0878	.0899	.0920	.0941	.0963	.0986
33.2	.0794	.0812	.0831	.0850	.0870	.0890	.0911	.0932	.0954	.0976	.0999
33.4	.0804	.0823	.0842	.0862	.0882	.0902	.0923	.0945	.0967	.0989	.1012
33.6	.0815	.0834	.0853	.0873	.0894	.0914	.0936	.0957	.0980	.1003	.1026
33.8	.0826	.0845	.0865	.0885	.0906	.0927	.0948	.0970	.0993	.1016	.1040
34.0	.0837	.0857	.0876	.0897	.0918	.0939	.0961	.0983	.1006	.1030	.1054
34.2	.0848	.0868	.0888	.0909	.0930	.0952	.0974	.0996	.1020	.1043	.1068
34.4	.0860	.0880	.0900	.0921	.0942	.0964	.0987	.1010	.1033	.1057	.1082
34.6	.0871	.0891	.0912	.0933	.0955	.0977	.1000	.1023	.1047	.1071	.1096
34.8	.0883	.0903	.0924	.0946	.0968	.0990	.1013	.1037	.1061	.1086	.1111
35.0	.0894	.0915	.0937	.0958	.0981	.1003	.1027	.1051	.1075	.1100	.1126

TABLE A-1 CONTINUED

TABLE PAGE 60

TEMP DEG C	5.90	5.91	5.92	5.93	5.94	PH 5.95	5.96	5.97	5.98	5.99	6.00
35.0	.0894	.0915	.0937	.0958	.0984	.1003	.1027	.1051	.1075	.1100	.1126
35.2	.0906	.0927	.0949	.0971	.0994	.1017	.1040	.1065	.1089	.1115	.1146
35.4	.0918	.0940	.0962	.0984	.1007	.1030	.1054	.1079	.1103	.1130	.1161
35.6	.0931	.0955	.0977	.0999	.1024	.1048	.1068	.1093	.1119	.1146	.1177
35.8	.0943	.0978	.1000	.1024	.1047	.1072	.1097	.1122	.1148	.1175	.1202
36.0	.0955	.0978	.1000	.1024	.1047	.1072	.1097	.1122	.1148	.1175	.1202
36.2	.0968	.0991	.1014	.1037	.1061	.1086	.1111	.1137	.1164	.1191	.1218
36.4	.0981	.1004	.1027	.1051	.1075	.1100	.1126	.1152	.1179	.1206	.1234
36.6	.0994	.1017	.1040	.1065	.1089	.1115	.1141	.1168	.1194	.1222	.1251
36.8	.1007	.1030	.1054	.1079	.1103	.1129	.1157	.1180	.1213	.1245	.1278
37.0	.102	.104	.107	.109	.112	.114	.117	.120	.123	.125	.128
37.2	.103	.106	.108	.111	.113	.116	.119	.123	.126	.129	.132
37.4	.105	.107	.110	.112	.115	.117	.120	.125	.127	.130	.133
37.6	.106	.109	.111	.114	.116	.119	.122	.126	.129	.132	.135
37.8	.107	.110	.113	.115	.118	.121	.123	.128	.131	.134	.137
38.0	.109	.111	.114	.117	.119	.122	.125	.129	.131	.134	.137
38.2	.110	.113	.115	.118	.121	.124	.128	.131	.133	.136	.139
38.4	.112	.114	.117	.120	.122	.125	.128	.131	.133	.137	.141
38.6	.113	.116	.118	.121	.124	.127	.130	.133	.136	.139	.142
38.8	.115	.117	.120	.123	.126	.129	.133	.136	.138	.141	.144
39.0	.116	.119	.122	.124	.127	.130	.133	.136	.138	.141	.146
39.2	.118	.122	.125	.128	.131	.134	.137	.140	.143	.147	.150
39.4	.119	.123	.126	.129	.132	.135	.138	.142	.145	.148	.152
39.6	.121	.125	.128	.131	.134	.137	.140	.144	.147	.150	.154
39.8	.122	.127	.130	.133	.136	.139	.142	.145	.149	.152	.156
40.0	.124	.127	.130	.133	.136	.139	.142	.145	.149	.152	.156

TEMP DEG C	6.00	6.01	6.02	6.03	6.04	6.05	6.06	6.07	6.08	6.09	6.10
0	.00827	.00846	.00866	.00886	.00907	.00928	.00949	.00971	.00994	.01017	.01041
.2	.00841	.00860	.00880	.00901	.00922	.00943	.00965	.00988	.01011	.01034	.01058
.4	.00855	.00875	.00895	.00916	.00938	.00959	.00982	.01005	.01028	.01052	.01076
.6	.00870	.00890	.00910	.00932	.00953	.00976	.00998	.01022	.01045	.01070	.01095
.8	.00884	.00905	.00926	.00947	.00970	.00992	.01015	.01039	.01063	.01088	.01113
1.0	.00899	.00920	.00941	.00963	.00986	.01009	.01032	.01056	.01081	.01106	.01132
1.2	.00914	.00936	.00957	.00980	.01002	.01026	.01050	.01074	.01099	.01125	.01151
1.4	.00930	.00951	.00973	.00996	.01019	.01043	.01067	.01092	.01118	.01144	.01170
1.6	.00945	.00967	.00990	.01013	.01036	.01061	.01085	.01111	.01136	.01163	.01190
1.8	.00961	.00983	.01006	.01030	.01054	.01078	.01103	.01129	.01155	.01182	.01210
2.0	.00977	.01000	.01023	.01047	.01071	.01096	.01122	.01148	.01175	.01202	.01230
2.2	.00994	.01017	.01040	.01065	.01089	.01115	.01141	.01167	.01194	.01222	.01251
2.4	.01010	.01033	.01056	.01080	.01103	.01127	.01151	.01175	.01200	.01226	.01252
2.6	.01026	.01049	.01072	.01096	.01119	.01143	.01167	.01191	.01215	.01240	.01266
2.8	.01042	.01065	.01088	.01112	.01135	.01159	.01182	.01206	.01230	.01254	.01279
3.0	.01058	.01081	.01104	.01127	.01150	.01173	.01196	.01219	.01242	.01266	.01290
3.2	.01074	.01097	.01120	.01143	.01166	.01189	.01212	.01235	.01258	.01281	.01304
3.4	.01090	.01113	.01136	.01159	.01182	.01205	.01228	.01251	.01274	.01297	.01320
3.6	.01106	.01129	.01152	.01175	.01198	.01221	.01244	.01267	.01290	.01313	.01336
3.8	.01122	.01145	.01168	.01191	.01214	.01237	.01260	.01283	.01306	.01329	.01352
4.0	.01138	.01161	.01184	.01207	.01230	.01253	.01276	.01299	.01322	.01345	.01368
4.2	.01154	.01177	.01200	.01223	.01246	.01269	.01292	.01315	.01338	.01361	.01384
4.4	.01170	.01193	.01216	.01239	.01262	.01285	.01308	.01331	.01354	.01377	.01400
4.6	.01186	.01209	.01232	.01255	.01278	.01301	.01324	.01347	.01370	.01393	.01416
4.8	.01202	.01225	.01248	.01271	.01294	.01317	.01340	.01363	.01386	.01409	.01432
5.0	.01218	.01241	.01264	.01287	.01310	.01333	.01356	.01379	.01402	.01425	.01448
5.2	.01234	.01257	.01280	.01303	.01326	.01349	.01372	.01395	.01418	.01441	.01464
5.4	.01250	.01273	.01296	.01319	.01342	.01365	.01388	.01411	.01434	.01457	.01480
5.6	.01266	.01289	.01312	.01335	.01358	.01381	.01404	.01427	.01450	.01473	.01496
5.8	.01282	.01305	.01328	.01351	.01374	.01397	.01420	.01443	.01466	.01489	.01512
6.0	.01298	.01321	.01344	.01367	.01390	.01413	.01436	.01459	.01482	.01505	.01528
6.2	.01314	.01337	.01360	.01383	.01406	.01429	.01452	.01475	.01498	.01521	.01544
6.4	.01330	.01353	.01376	.01399	.01422	.01445	.01468	.01491	.01514	.01537	.01560
6.6	.01346	.01369	.01392	.01415	.01438	.01461	.01484	.01507	.01530	.01553	.01576
6.8	.01362	.01385	.01408	.01431	.01454	.01477	.01500	.01523	.01546	.01569	.01592
7.0	.01378	.01401	.01424	.01447	.01470	.01493	.01516	.01539	.01562	.01585	.01608

TABLE A-1 CONTINUED

TABLE PAGE 62

TEMP DEG C	6.00	6.01	6.02	6.03	6.04	6.05	6.06	6.07	6.08	6.09	6.10
7.0	.0147	.0150	.0154	.0157	.0161	.0165	.0169	.0173	.0177	.0181	.0185
7.2	.0149	.0153	.0156	.0160	.0164	.0167	.0171	.0175	.0179	.0184	.0188
7.4	.0152	.0155	.0159	.0162	.0166	.0170	.0174	.0178	.0182	.0187	.0191
7.6	.0154	.0158	.0161	.0165	.0169	.0173	.0177	.0181	.0185	.0190	.0194
7.8	.0157	.0160	.0164	.0168	.0172	.0176	.0180	.0184	.0188	.0193	.0197
8.0	.0159	.0163	.0167	.0170	.0174	.0178	.0183	.0187	.0191	.0196	.0200
8.2	.0162	.0165	.0169	.0173	.0177	.0181	.0186	.0190	.0194	.0199	.0203
8.4	.0164	.0168	.0172	.0176	.0180	.0184	.0188	.0193	.0197	.0202	.0207
8.6	.0169	.0173	.0177	.0182	.0186	.0190	.0195	.0199	.0204	.0208	.0213
8.8	.0171	.0175	.0179	.0184	.0189	.0193	.0198	.0202	.0207	.0212	.0217
9.0	.0172	.0176	.0180	.0184	.0189	.0193	.0198	.0202	.0207	.0212	.0217
9.2	.0175	.0179	.0183	.0187	.0192	.0196	.0201	.0205	.0210	.0215	.0220
9.4	.0178	.0182	.0186	.0190	.0195	.0199	.0204	.0209	.0214	.0219	.0224
9.6	.0180	.0185	.0189	.0193	.0198	.0203	.0207	.0212	.0217	.0222	.0227
9.8	.0183	.0188	.0192	.0196	.0201	.0206	.0211	.0215	.0220	.0225	.0230
10.0	.0186	.0191	.0195	.0200	.0204	.0209	.0214	.0219	.0224	.0229	.0234
10.2	.0189	.0194	.0198	.0203	.0207	.0212	.0217	.0222	.0227	.0232	.0237
10.4	.0192	.0197	.0201	.0206	.0211	.0216	.0221	.0226	.0231	.0236	.0241
10.6	.0195	.0200	.0204	.0209	.0214	.0219	.0224	.0229	.0234	.0239	.0244
10.8	.0198	.0203	.0208	.0212	.0217	.0222	.0227	.0232	.0237	.0242	.0247
11.0	.0201	.0206	.0211	.0216	.0221	.0226	.0231	.0236	.0241	.0246	.0251
11.2	.0205	.0209	.0214	.0219	.0224	.0229	.0234	.0239	.0244	.0249	.0254
11.4	.0208	.0213	.0218	.0223	.0228	.0233	.0238	.0243	.0248	.0253	.0258
11.6	.0211	.0216	.0221	.0226	.0231	.0236	.0241	.0246	.0251	.0256	.0261
11.8	.0214	.0219	.0224	.0229	.0234	.0239	.0244	.0249	.0254	.0259	.0264
12.0	.0218	.0223	.0228	.0233	.0238	.0243	.0248	.0253	.0258	.0263	.0268
12.2	.0221	.0226	.0231	.0236	.0241	.0246	.0251	.0256	.0261	.0266	.0271
12.4	.0224	.0229	.0234	.0239	.0244	.0249	.0254	.0259	.0264	.0269	.0274
12.6	.0228	.0233	.0238	.0243	.0248	.0253	.0258	.0263	.0268	.0273	.0278
12.8	.0231	.0236	.0241	.0246	.0251	.0256	.0261	.0266	.0271	.0276	.0281
13.0	.0235	.0240	.0245	.0250	.0255	.0260	.0265	.0270	.0275	.0280	.0285
13.2	.0239	.0244	.0249	.0254	.0259	.0264	.0269	.0274	.0279	.0284	.0289
13.4	.0242	.0247	.0252	.0257	.0262	.0267	.0272	.0277	.0282	.0287	.0292
13.6	.0246	.0251	.0256	.0261	.0266	.0271	.0276	.0281	.0286	.0291	.0296
13.8	.0249	.0254	.0259	.0264	.0269	.0274	.0279	.0284	.0289	.0294	.0299
14.0	.0253	.0258	.0263	.0268	.0273	.0278	.0283	.0288	.0293	.0298	.0303

TABLE A-1 CONTINUED

TABLE PAGE 63

TEMP DEG C	6.00	6.01	6.02	6.03	6.04	PH 6.05	6.06	6.07	6.08	6.09	6.10
14.0	.0254	.0260	.0266	.0272	.0278	.0285	.0291	.0298	.0305	.0312	.0319
14.2	.0258	.0264	.0270	.0276	.0282	.0289	.0296	.0303	.0310	.0317	.0324
14.4	.0262	.0268	.0274	.0280	.0286	.0293	.0299	.0306	.0313	.0320	.0327
14.6	.0266	.0272	.0278	.0284	.0290	.0297	.0303	.0310	.0317	.0324	.0331
14.8	.0270	.0276	.0282	.0288	.0294	.0301	.0307	.0314	.0321	.0328	.0335
15.0	.0274	.0280	.0287	.0293	.0300	.0307	.0314	.0322	.0329	.0337	.0345
15.2	.0278	.0284	.0291	.0298	.0305	.0312	.0319	.0326	.0334	.0342	.0350
15.4	.0282	.0289	.0295	.0302	.0309	.0316	.0323	.0331	.0339	.0347	.0355
15.6	.0286	.0293	.0300	.0307	.0314	.0321	.0329	.0336	.0344	.0352	.0360
15.8	.0291	.0297	.0304	.0312	.0319	.0326	.0334	.0342	.0350	.0358	.0366
16.0	.0295	.0302	.0309	.0316	.0324	.0331	.0339	.0347	.0355	.0363	.0372
16.2	.0300	.0307	.0314	.0321	.0328	.0336	.0344	.0352	.0360	.0369	.0377
16.4	.0304	.0311	.0318	.0326	.0333	.0341	.0349	.0357	.0366	.0374	.0383
16.6	.0309	.0316	.0323	.0331	.0338	.0346	.0354	.0363	.0371	.0380	.0389
16.8	.0313	.0321	.0328	.0336	.0344	.0352	.0360	.0368	.0377	.0385	.0394
17.0	.0318	.0325	.0333	.0341	.0349	.0357	.0365	.0374	.0382	.0391	.0400
17.2	.0323	.0330	.0338	.0346	.0354	.0362	.0371	.0379	.0388	.0397	.0406
17.4	.0328	.0335	.0343	.0351	.0359	.0368	.0376	.0385	.0394	.0403	.0412
17.6	.0333	.0340	.0348	.0356	.0365	.0373	.0382	.0391	.0400	.0409	.0418
17.8	.0338	.0345	.0353	.0362	.0370	.0379	.0388	.0397	.0406	.0415	.0424
18.0	.0343	.0351	.0359	.0367	.0376	.0384	.0393	.0403	.0412	.0421	.0431
18.2	.0348	.0356	.0364	.0373	.0381	.0390	.0399	.0409	.0418	.0428	.0438
18.4	.0353	.0361	.0370	.0378	.0387	.0396	.0405	.0415	.0424	.0434	.0444
18.6	.0358	.0366	.0375	.0384	.0393	.0402	.0411	.0421	.0431	.0441	.0451
18.8	.0363	.0372	.0381	.0389	.0399	.0408	.0417	.0427	.0437	.0447	.0458
19.0	.0369	.0377	.0386	.0395	.0404	.0414	.0423	.0433	.0443	.0454	.0464
19.2	.0374	.0383	.0392	.0401	.0410	.0420	.0430	.0440	.0450	.0460	.0471
19.4	.0380	.0389	.0398	.0407	.0416	.0426	.0436	.0446	.0457	.0467	.0478
19.6	.0385	.0394	.0404	.0413	.0423	.0432	.0443	.0453	.0463	.0474	.0485
19.8	.0391	.0400	.0410	.0419	.0429	.0439	.0449	.0460	.0470	.0481	.0492
20.0	.0397	.0406	.0416	.0425	.0435	.0445	.0456	.0466	.0477	.0488	.0500
20.2	.0403	.0412	.0422	.0432	.0442	.0452	.0463	.0473	.0484	.0495	.0507
20.4	.0409	.0418	.0428	.0438	.0448	.0459	.0469	.0480	.0491	.0503	.0514
20.6	.0415	.0424	.0434	.0444	.0455	.0465	.0476	.0487	.0499	.0510	.0522
20.8	.0421	.0431	.0441	.0451	.0461	.0472	.0483	.0494	.0506	.0518	.0530
21.0	.0427	.0437	.0447	.0457	.0468	.0479	.0490	.0502	.0513	.0525	.0537

TABLE A-1 CONTINUED

TABLE PAGE 64

TEMP DEG C	6.00	6.01	6.02	6.03	6.04	PH 6.05	6.06	6.07	6.08	6.09	6.10
21.0	.0427	.0437	.0447	.0457	.0468	.0479	.0490	.0502	.0513	.0525	.0537
21.2	.0433	.0443	.0454	.0464	.0475	.0486	.0497	.0509	.0521	.0533	.0545
21.4	.0439	.0450	.0460	.0471	.0482	.0493	.0505	.0516	.0528	.0540	.0553
21.6	.0446	.0456	.0467	.0478	.0489	.0500	.0512	.0524	.0536	.0548	.0561
21.8	.0452	.0463	.0474	.0485	.0496	.0508	.0519	.0531	.0544	.0556	.0569
22.0	.0459	.0470	.0481	.0492	.0503	.0515	.0527	.0539	.0552	.0565	.0578
22.2	.0466	.0476	.0488	.0499	.0510	.0522	.0535	.0547	.0560	.0573	.0586
22.4	.0472	.0483	.0495	.0506	.0518	.0530	.0542	.0555	.0568	.0581	.0595
22.6	.0479	.0490	.0502	.0513	.0525	.0538	.0550	.0563	.0576	.0589	.0603
22.8	.0486	.0497	.0509	.0521	.0533	.0545	.0558	.0571	.0584	.0598	.0612
23.0	.0493	.0505	.0516	.0528	.0541	.0553	.0566	.0579	.0593	.0607	.0621
23.2	.0500	.0512	.0524	.0536	.0548	.0561	.0574	.0588	.0601	.0615	.0630
23.4	.0507	.0519	.0531	.0544	.0556	.0569	.0583	.0596	.0610	.0624	.0639
23.6	.0515	.0527	.0539	.0552	.0564	.0577	.0591	.0605	.0619	.0633	.0648
23.8	.0522	.0534	.0547	.0559	.0572	.0586	.0599	.0613	.0627	.0642	.0657
24.0	.0530	.0542	.0555	.0567	.0581	.0594	.0608	.0622	.0637	.0651	.0667
24.2	.0537	.0550	.0562	.0576	.0589	.0603	.0617	.0631	.0646	.0661	.0676
24.4	.0545	.0558	.0571	.0584	.0597	.0611	.0626	.0640	.0655	.0670	.0686
24.6	.0553	.0565	.0579	.0592	.0606	.0620	.0634	.0649	.0664	.0680	.0696
24.8	.0561	.0574	.0587	.0601	.0615	.0629	.0643	.0658	.0674	.0689	.0706
25.0	.0568	.0582	.0595	.0609	.0623	.0638	.0653	.0668	.0683	.0699	.0716
25.2	.0577	.0590	.0604	.0618	.0632	.0647	.0662	.0677	.0693	.0709	.0726
25.4	.0585	.0598	.0612	.0627	.0641	.0656	.0671	.0687	.0703	.0719	.0736
25.6	.0593	.0607	.0621	.0635	.0650	.0665	.0681	.0697	.0713	.0730	.0746
25.8	.0601	.0615	.0630	.0644	.0659	.0675	.0690	.0707	.0723	.0740	.0757
26.0	.0610	.0624	.0639	.0654	.0669	.0684	.0700	.0717	.0733	.0750	.0768
26.2	.0619	.0633	.0648	.0663	.0678	.0694	.0710	.0727	.0744	.0761	.0779
26.4	.0627	.0642	.0657	.0672	.0688	.0704	.0720	.0737	.0754	.0772	.0790
26.6	.0636	.0651	.0666	.0682	.0697	.0714	.0730	.0747	.0765	.0782	.0801
26.8	.0645	.0660	.0675	.0691	.0707	.0724	.0741	.0758	.0786	.0803	.0823
27.0	.0654	.0669	.0685	.0701	.0717	.0734	.0751	.0768	.0797	.0816	.0837
27.2	.0663	.0679	.0695	.0711	.0727	.0744	.0761	.0779	.0809	.0827	.0847
27.4	.0673	.0688	.0704	.0721	.0737	.0755	.0772	.0790	.0820	.0839	.0858
27.6	.0682	.0698	.0714	.0731	.0748	.0765	.0783	.0801	.0831	.0851	.0870
27.8	.0692	.0708	.0724	.0741	.0758	.0776	.0794	.0812	.0843	.0862	.0883
28.0	.0701	.0717	.0734	.0751	.0769	.0787	.0805	.0824	.0856	.0875	.0895

TABLE A-1 CONTINUED

TEMP DEG C	6.00	6.01	6.02	6.03	6.04	PH 6.05	6.06	6.07	6.08	6.09	6.10
28.0	.0701	.0717	.0734	.0751	.0769	.0787	.0805	.0824	.0843	.0862	.0883
28.2	.0711	.0727	.0744	.0762	.0779	.0798	.0816	.0835	.0855	.0875	.0895
28.4	.0721	.0738	.0755	.0772	.0790	.0809	.0828	.0847	.0867	.0887	.0907
28.6	.0731	.0748	.0765	.0783	.0801	.0820	.0839	.0859	.0879	.0899	.0920
28.8	.0741	.0758	.0776	.0794	.0812	.0831	.0851	.0870	.0891	.0911	.0933
29.0	.0751	.0769	.0787	.0805	.0824	.0843	.0862	.0883	.0903	.0924	.0946
29.2	.0762	.0779	.0798	.0816	.0835	.0855	.0874	.0895	.0916	.0937	.0959
29.4	.0772	.0790	.0809	.0827	.0847	.0866	.0886	.0907	.0928	.0950	.0972
29.6	.0783	.0801	.0820	.0839	.0858	.0878	.0899	.0920	.0941	.0963	.0985
29.8	.0794	.0812	.0831	.0850	.0870	.0890	.0911	.0932	.0954	.0976	.0999
30.0	.0805	.0823	.0842	.0862	.0882	.0903	.0924	.0945	.0967	.0990	.1013
30.2	.0816	.0835	.0854	.0874	.0894	.0915	.0936	.0958	.0980	.1003	.1027
30.4	.0827	.0846	.0866	.0886	.0907	.0928	.0949	.0971	.0994	.1017	.1041
30.6	.0838	.0858	.0878	.0898	.0919	.0940	.0962	.0985	.1007	.1031	.1055
30.8	.0850	.0869	.0890	.0910	.0932	.0953	.0975	.0998	.1021	.1045	.1069
31.0	.0861	.0881	.0902	.0923	.0944	.0966	.0989	.1012	.1035	.1059	.1084
31.2	.0873	.0893	.0914	.0935	.0957	.0979	.1002	.1026	.1049	.1074	.1099
31.4	.0885	.0905	.0927	.0948	.0970	.0993	.1016	.1040	.1064	.1088	.1114
31.6	.0897	.0918	.0939	.0961	.0983	.1006	.1030	.1054	.1078	.1103	.1129
31.8	.0909	.0930	.0952	.0974	.0997	.1020	.1044	.1068	.1093	.1118	.1144
32.0	.0921	.0943	.0965	.0987	.1010	.1034	.1058	.1082	.1108	.1133	.1160
32.2	.0934	.0956	.0978	.1001	.1024	.1048	.1072	.1097	.1123	.1149	.1176
32.4	.0947	.0969	.0991	.1014	.1038	.1062	.1087	.1112	.1138	.1165	.1191
32.6	.0959	.0982	.1005	.1028	.1052	.1076	.1101	.1126	.1153	.1180	.1208
32.8	.0972	.0995	.1018	.1042	.1066	.1091	.1116	.1142	.1169	.1196	.1224
33.0	.0986	.1008	.1032	.1056	.1081	.1106	.1131	.1158	.1185	.1212	.1240
33.2	.0999	.1022	.1046	.1070	.1095	.1121	.1147	.1173	.1201	.1229	.1257
33.4	.1011	.1035	.1060	.1085	.1110	.1135	.1161	.1189	.1223	.1255	.1289
33.6	.1024	.1048	.1073	.1099	.1124	.1150	.1176	.1204	.1235	.1268	.1301
33.8	.1037	.1062	.1088	.1113	.1139	.1165	.1191	.1219	.1251	.1283	.1315
34.0	.1050	.1076	.1102	.1128	.1154	.1180	.1207	.1234	.1267	.1300	.1333
34.2	.1063	.1089	.1116	.1142	.1168	.1194	.1221	.1250	.1283	.1316	.1349
34.4	.1076	.1103	.1130	.1157	.1184	.1211	.1238	.1269	.1302	.1335	.1368
34.6	.1089	.1117	.1144	.1171	.1198	.1225	.1253	.1287	.1320	.1353	.1386
34.8	.1102	.1130	.1157	.1184	.1211	.1238	.1266	.1302	.1335	.1368	.1401
35.0	.1115	.1143	.1170	.1197	.1224	.1251	.1279	.1317	.1350	.1383	.1416

TABLE A-1 CONTINUED

TABLE PAGE 66

TEMP DEG C	6.00	6.01	6.02	6.03	6.04	PH 6.05	6.06	6.07	6.08	6.09	6.10
35.0	113	115	118	121	124	126	129	132	135	138	142
35.2	114	117	120	123	126	129	132	135	138	141	145
35.4	116	119	122	125	128	131	134	137	140	143	147
35.6	117	120	123	126	129	132	135	138	141	144	148
35.8	119	122	125	128	131	134	137	140	143	146	150
36.0	120	123	126	129	132	135	138	141	144	147	151
36.2	122	125	128	131	134	137	140	143	146	149	153
36.4	123	126	129	132	135	138	141	144	147	150	154
36.6	125	128	131	134	137	140	143	146	149	152	156
36.8	127	130	133	136	139	142	145	148	151	154	158
37.0	128	131	134	137	140	143	146	149	152	155	159
37.2	130	133	136	139	142	145	148	151	154	157	161
37.4	132	135	138	141	144	147	150	153	156	159	163
37.6	133	136	139	142	145	148	151	154	157	160	164
37.8	135	138	141	144	147	150	153	156	159	162	166
38.0	137	140	143	146	149	152	155	158	161	164	168
38.2	139	142	145	148	151	154	157	160	163	166	170
38.4	141	144	147	150	153	156	159	162	165	168	172
38.6	142	145	148	151	154	157	160	163	166	169	173
38.8	144	147	150	153	156	159	162	165	168	171	175
39.0	146	149	152	155	158	161	164	167	170	173	177
39.2	148	151	154	157	160	163	166	169	172	175	179
39.4	150	153	156	159	162	165	168	171	174	177	181
39.6	152	155	158	161	164	167	170	173	176	179	183
39.8	154	157	160	163	166	169	172	175	178	181	185
40.0	156	159	162	165	168	171	174	177	180	183	187

TABLE A-1 CONTINUED

TEMP DEG C	6.10	6.11	6.12	6.13	6.14	PH 6.15	6.16	6.17	6.18	6.19	6.20
0	0104	0107	0109	0112	0116	0117	0122	0124	0127	0129	0133
2	0106	0108	0111	0113	0116	0119	0124	0126	0129	0130	0133
4	0108	0110	0113	0115	0118	0121	0126	0128	0131	0132	0135
6	0109	0112	0115	0117	0120	0123	0128	0130	0133	0134	0137
8	0111	0114	0117	0119	0122	0125	0130	0132	0135	0136	0139
10	0113	0116	0119	0121	0124	0127	0132	0134	0137	0138	0141
12	0115	0118	0121	0123	0126	0129	0134	0136	0139	0140	0143
14	0117	0120	0123	0125	0128	0131	0136	0138	0141	0142	0145
16	0119	0122	0125	0127	0130	0133	0138	0140	0143	0144	0147
18	0121	0124	0127	0129	0132	0135	0140	0142	0145	0146	0149
20	0123	0126	0129	0131	0134	0137	0142	0144	0147	0148	0151
22	0125	0128	0131	0133	0136	0139	0144	0146	0149	0150	0153
24	0127	0130	0133	0135	0138	0141	0146	0148	0151	0152	0155
26	0129	0132	0135	0137	0140	0143	0148	0150	0153	0154	0157
28	0131	0134	0137	0139	0142	0145	0150	0152	0155	0156	0159
30	0133	0136	0139	0141	0144	0147	0152	0154	0157	0158	0161
32	0135	0138	0141	0143	0146	0149	0154	0156	0159	0160	0163
34	0137	0140	0143	0145	0148	0151	0156	0158	0161	0162	0165
36	0139	0142	0145	0147	0150	0153	0158	0160	0163	0164	0167
38	0141	0144	0147	0149	0152	0155	0160	0162	0165	0166	0169
40	0143	0146	0149	0151	0154	0157	0162	0164	0167	0168	0171
42	0145	0148	0151	0153	0156	0159	0164	0166	0169	0170	0173
44	0147	0150	0153	0155	0158	0161	0166	0168	0171	0172	0175
46	0149	0152	0155	0157	0160	0163	0168	0170	0173	0174	0177
48	0151	0154	0157	0159	0162	0165	0170	0172	0175	0176	0179
50	0153	0156	0159	0161	0164	0167	0172	0174	0177	0178	0181
52	0155	0158	0161	0163	0166	0169	0174	0176	0179	0180	0183
54	0157	0160	0163	0165	0168	0171	0176	0178	0181	0182	0185
56	0159	0162	0165	0167	0170	0173	0178	0180	0183	0184	0187
58	0161	0164	0167	0169	0172	0175	0180	0182	0185	0186	0189
60	0163	0166	0169	0171	0174	0177	0182	0184	0187	0188	0191
62	0165	0168	0171	0173	0176	0179	0184	0186	0189	0190	0193
64	0167	0170	0173	0175	0178	0181	0186	0188	0191	0192	0195
66	0169	0172	0175	0177	0180	0183	0188	0190	0193	0194	0197
68	0171	0174	0177	0179	0182	0185	0190	0192	0195	0196	0199
70	0173	0176	0179	0181	0184	0187	0192	0194	0197	0198	0201
72	0175	0178	0181	0183	0186	0189	0194	0196	0199	0200	0203
74	0177	0180	0183	0185	0188	0191	0196	0198	0201	0202	0205
76	0179	0182	0185	0187	0190	0193	0198	0200	0203	0204	0207
78	0181	0184	0187	0189	0192	0195	0200	0202	0205	0206	0209
80	0183	0186	0189	0191	0194	0197	0202	0204	0207	0208	0211
82	0185	0188	0191	0193	0196	0199	0204	0206	0209	0210	0213
84	0187	0190	0193	0195	0198	0201	0206	0208	0211	0212	0215
86	0189	0192	0195	0197	0200	0203	0208	0210	0213	0214	0217
88	0191	0194	0197	0199	0202	0205	0210	0212	0215	0216	0219
90	0193	0196	0199	0201	0204	0207	0212	0214	0217	0218	0221
92	0195	0198	0201	0203	0206	0209	0214	0216	0219	0220	0223
94	0197	0200	0203	0205	0208	0211	0216	0218	0221	0222	0225
96	0199	0202	0205	0207	0210	0213	0218	0220	0223	0224	0227
98	0201	0204	0207	0209	0212	0215	0220	0222	0225	0226	0229
100	0203	0206	0209	0211	0214	0217	0222	0224	0227	0228	0231

TABLE A-1 CONTINUED

TEMP DEG C	6.10	6.11	6.12	6.13	6.14	PH 6.15	6.16	6.17	6.18	6.19	6.20
7.0	0185	0189	0194	0198	0203	0207	0211	0217	0220	0227	0237
7.2	0188	0192	0197	0201	0206	0211	0216	0222	0226	0233	0244
7.4	0191	0195	0200	0205	0210	0215	0220	0226	0230	0237	0248
7.6	0194	0198	0203	0208	0213	0218	0223	0229	0233	0240	0252
7.8	0197	0202	0206	0211	0216	0221	0226	0232	0236	0243	0255
8.0	0200	0205	0210	0215	0220	0225	0230	0236	0241	0248	0260
8.2	0203	0208	0213	0218	0223	0228	0233	0239	0244	0251	0264
8.4	0207	0212	0216	0221	0226	0231	0236	0242	0247	0254	0267
8.6	0210	0215	0220	0225	0230	0235	0240	0246	0251	0258	0271
8.8	0213	0218	0223	0228	0233	0238	0243	0249	0254	0261	0274
9.0	0217	0222	0227	0232	0237	0242	0247	0253	0258	0265	0278
9.2	0221	0226	0231	0236	0241	0246	0251	0257	0262	0269	0282
9.4	0225	0230	0235	0240	0245	0250	0255	0261	0266	0273	0286
9.6	0229	0234	0239	0244	0249	0254	0259	0265	0270	0277	0290
9.8	0233	0238	0243	0248	0253	0258	0263	0269	0274	0281	0294
10.0	0237	0242	0247	0252	0257	0262	0267	0273	0278	0285	0298
10.2	0241	0246	0251	0256	0261	0266	0271	0277	0282	0289	0302
10.4	0245	0250	0255	0260	0265	0270	0275	0281	0286	0293	0306
10.6	0249	0254	0259	0264	0269	0274	0279	0285	0290	0297	0310
10.8	0253	0258	0263	0268	0273	0278	0283	0289	0294	0301	0314
11.0	0257	0262	0267	0272	0277	0282	0287	0293	0298	0305	0318
11.2	0261	0266	0271	0276	0281	0286	0291	0297	0302	0309	0322
11.4	0265	0270	0275	0280	0285	0290	0295	0301	0306	0313	0326
11.6	0269	0274	0279	0284	0289	0294	0299	0305	0310	0317	0330
11.8	0273	0278	0283	0288	0293	0298	0303	0309	0314	0321	0334
12.0	0277	0282	0287	0292	0297	0302	0307	0313	0318	0325	0338
12.2	0281	0286	0291	0296	0301	0306	0311	0317	0322	0329	0342
12.4	0285	0290	0295	0300	0305	0310	0315	0321	0326	0333	0346
12.6	0289	0294	0299	0304	0309	0314	0319	0325	0330	0337	0350
12.8	0293	0298	0303	0308	0313	0318	0323	0329	0334	0341	0354
13.0	0297	0302	0307	0312	0317	0322	0327	0333	0338	0345	0358
13.2	0301	0306	0311	0316	0321	0326	0331	0337	0342	0349	0362
13.4	0305	0310	0315	0320	0325	0330	0335	0341	0346	0353	0366
13.6	0309	0314	0319	0324	0329	0334	0339	0345	0350	0357	0370
13.8	0313	0318	0323	0328	0333	0338	0343	0349	0354	0361	0374
14.0	0317	0322	0327	0332	0337	0342	0347	0353	0358	0365	0378

TABLE PAGE 69

TABLE A-1 CONTINUED

TEMP DEG C	6.10	6.11	6.12	6.13	6.14	PH 6.15	6.16	6.17	6.18	6.19	6.20
14.0	.0319	.0327	.0334	.0342	.0350	.0358	.0367	.0375	.0384	.0393	.0402
14.2	.0324	.0332	.0340	.0347	.0356	.0364	.0372	.0381	.0390	.0399	.0408
14.4	.0329	.0337	.0345	.0353	.0361	.0369	.0378	.0387	.0396	.0405	.0414
14.6	.0334	.0342	.0350	.0358	.0366	.0375	.0384	.0393	.0402	.0411	.0420
14.8	.0339	.0347	.0355	.0363	.0372	.0381	.0390	.0399	.0408	.0417	.0426
15.0	.0345	.0353	.0361	.0369	.0378	.0387	.0396	.0405	.0414	.0424	.0433
15.2	.0350	.0358	.0366	.0375	.0384	.0392	.0402	.0411	.0421	.0430	.0440
15.4	.0355	.0363	.0372	.0380	.0389	.0398	.0408	.0417	.0427	.0437	.0447
15.6	.0360	.0369	.0377	.0386	.0395	.0404	.0414	.0424	.0433	.0443	.0453
15.8	.0366	.0374	.0383	.0392	.0401	.0411	.0420	.0430	.0440	.0450	.0460
16.0	.0372	.0380	.0389	.0398	.0407	.0417	.0427	.0436	.0447	.0457	.0468
16.2	.0377	.0386	.0395	.0404	.0413	.0423	.0433	.0443	.0453	.0464	.0475
16.4	.0383	.0392	.0401	.0410	.0420	.0430	.0440	.0450	.0460	.0471	.0482
16.6	.0389	.0398	.0407	.0416	.0426	.0436	.0446	.0457	.0467	.0478	.0489
16.8	.0394	.0404	.0413	.0423	.0433	.0443	.0453	.0463	.0474	.0485	.0497
17.0	.0400	.0410	.0419	.0429	.0439	.0449	.0460	.0470	.0481	.0493	.0504
17.2	.0406	.0416	.0426	.0435	.0446	.0456	.0467	.0477	.0489	.0500	.0512
17.4	.0412	.0422	.0432	.0442	.0452	.0463	.0474	.0485	.0496	.0507	.0519
17.6	.0419	.0428	.0438	.0449	.0459	.0470	.0481	.0492	.0503	.0515	.0527
17.8	.0425	.0435	.0445	.0455	.0466	.0477	.0488	.0499	.0511	.0523	.0535
18.0	.0431	.0441	.0452	.0462	.0473	.0484	.0495	.0507	.0518	.0531	.0543
18.2	.0438	.0448	.0458	.0469	.0480	.0491	.0503	.0514	.0526	.0538	.0551
18.4	.0444	.0455	.0465	.0476	.0487	.0498	.0510	.0522	.0534	.0546	.0559
18.6	.0451	.0461	.0472	.0483	.0494	.0506	.0518	.0530	.0542	.0555	.0568
18.8	.0458	.0468	.0479	.0490	.0502	.0513	.0525	.0538	.0550	.0563	.0576
19.0	.0464	.0475	.0486	.0498	.0509	.0521	.0533	.0545	.0558	.0571	.0584
19.2	.0471	.0482	.0493	.0505	.0517	.0529	.0541	.0554	.0566	.0580	.0593
19.4	.0478	.0489	.0501	.0512	.0524	.0536	.0549	.0562	.0575	.0588	.0602
19.6	.0485	.0497	.0508	.0520	.0532	.0544	.0557	.0570	.0583	.0597	.0610
19.8	.0492	.0504	.0516	.0528	.0540	.0552	.0565	.0578	.0592	.0606	.0620
20.0	.0500	.0511	.0523	.0535	.0548	.0561	.0574	.0587	.0601	.0615	.0629
20.2	.0507	.0519	.0531	.0543	.0556	.0569	.0582	.0596	.0609	.0624	.0638
20.4	.0514	.0526	.0539	.0551	.0564	.0577	.0591	.0604	.0618	.0633	.0647
20.6	.0520	.0534	.0547	.0559	.0572	.0586	.0599	.0613	.0627	.0642	.0657
20.8	.0527	.0542	.0555	.0567	.0581	.0594	.0608	.0622	.0637	.0652	.0667
21.0	.0533	.0550	.0563	.0576	.0589	.0603	.0617	.0631	.0646	.0661	.0676

TABLE A-1 CONTINUED

TABLE PAGE 70

TEMP DEG C	6.10	6.11	6.12	6.13	6.14	6.15 PM	6.16	6.17	6.18	6.19	6.20
21.0	.0537	.0550	.0563	.0576	.0589	.0603	.0617	.0631	.0646	.0661	.0676
21.2	.0545	.0558	.0571	.0584	.0598	.0612	.0626	.0640	.0655	.0670	.0686
21.4	.0553	.0566	.0579	.0593	.0607	.0621	.0635	.0650	.0665	.0680	.0696
21.6	.0561	.0574	.0588	.0601	.0615	.0630	.0644	.0659	.0675	.0690	.0706
21.8	.0569	.0583	.0596	.0610	.0624	.0639	.0654	.0669	.0685	.0700	.0717
22.0	.0578	.0591	.0605	.0619	.0633	.0648	.0663	.0679	.0694	.0711	.0727
22.2	.0586	.0600	.0614	.0628	.0643	.0658	.0673	.0689	.0705	.0721	.0738
22.4	.0595	.0608	.0623	.0637	.0652	.0667	.0683	.0698	.0715	.0731	.0748
22.6	.0603	.0617	.0632	.0646	.0661	.0677	.0692	.0709	.0725	.0742	.0759
22.8	.0612	.0626	.0641	.0656	.0671	.0686	.0702	.0719	.0736	.0753	.0770
23.0	.0621	.0635	.0650	.0665	.0681	.0696	.0713	.0729	.0746	.0764	.0781
23.2	.0630	.0644	.0659	.0675	.0690	.0706	.0723	.0740	.0757	.0775	.0793
23.4	.0639	.0654	.0669	.0684	.0700	.0717	.0733	.0750	.0768	.0786	.0804
23.6	.0648	.0663	.0678	.0694	.0710	.0727	.0744	.0761	.0779	.0797	.0816
23.8	.0657	.0672	.0688	.0704	.0721	.0737	.0754	.0772	.0790	.0808	.0827
24.0	.0667	.0682	.0698	.0714	.0731	.0748	.0765	.0783	.0801	.0820	.0839
24.2	.0676	.0692	.0708	.0724	.0741	.0759	.0776	.0794	.0813	.0832	.0851
24.4	.0686	.0702	.0718	.0735	.0752	.0769	.0787	.0806	.0824	.0844	.0863
24.6	.0696	.0712	.0728	.0745	.0763	.0780	.0799	.0817	.0836	.0856	.0876
24.8	.0706	.0722	.0739	.0756	.0774	.0792	.0810	.0829	.0848	.0868	.0888
25.0	.0716	.0732	.0749	.0767	.0785	.0803	.0822	.0841	.0860	.0880	.0901
25.2	.0726	.0743	.0760	.0778	.0796	.0814	.0833	.0853	.0872	.0893	.0913
25.4	.0736	.0753	.0771	.0789	.0807	.0826	.0845	.0865	.0885	.0905	.0926
25.6	.0746	.0764	.0782	.0800	.0818	.0837	.0857	.0877	.0897	.0918	.0940
25.8	.0757	.0775	.0793	.0811	.0830	.0849	.0869	.0889	.0910	.0931	.0953
26.0	.0768	.0786	.0804	.0823	.0842	.0861	.0881	.0902	.0923	.0944	.0966
26.2	.0779	.0797	.0815	.0834	.0854	.0874	.0894	.0915	.0936	.0958	.0980
26.4	.0790	.0808	.0827	.0846	.0866	.0886	.0906	.0928	.0949	.0971	.0994
26.6	.0801	.0819	.0838	.0858	.0878	.0898	.0919	.0941	.0962	.0985	.1008
26.8	.0812	.0831	.0850	.0870	.0890	.0911	.0932	.0954	.0976	.0999	.1022
27.0	.0823	.0843	.0862	.0882	.0903	.0924	.0945	.0967	.0990	.1013	.1036
27.2	.0835	.0854	.0874	.0895	.0915	.0937	.0958	.0981	.1004	.1027	.1051
27.4	.0847	.0866	.0886	.0907	.0928	.0950	.0972	.0995	.1018	.1041	.1066
27.6	.0859	.0879	.0899	.0920	.0941	.0963	.0985	.1008	.1032	.1056	.1080
27.8	.0870	.0891	.0911	.0933	.0954	.0977	.0999	.1023	.1046	.1071	.1096
28.0	.0883	.0903	.0924	.0946	.0968	.0990	.1013	.1037	.1061	.1086	.1111

TABLE A-1 CONTINUED

TABLE PAGE 71

TEMP DEG C	6.10	6.11	6.12	6.13	6.14	PH 6.15	6.16	6.17	6.18	6.19	6.20
28.0	.0883	.0903	.0924	.0949	.0968	.0990	.1013	.1037	.1061	.1086	.1120
28.2	.0895	.0916	.0937	.0959	.0981	.1004	.1026	.1051	.1076	.1101	.1126
28.4	.0907	.0928	.0950	.0972	.0995	.1018	.1042	.1066	.1091	.1116	.1142
28.6	.0920	.0941	.0963	.0986	.1009	.1032	.1056	.1081	.1106	.1131	.1158
28.8	.0933	.0954	.0977	.0999	.1023	.1046	.1071	.1096	.1121	.1147	.1174
29.0	.0946	.0968	.0990	.1013	.1037	.1061	.1086	.1111	.1137	.1163	.1190
29.2	.0959	.0981	.1004	.1027	.1051	.1076	.1101	.1126	.1152	.1179	.1203
29.4	.0972	.0995	.1018	.1041	.1066	.1090	.1115	.1142	.1168	.1195	.1223
29.6	.0985	.1008	.1032	.1056	.1080	.1105	.1131	.1157	.1184	.1212	.1239
29.8	.0999	.1022	.1046	.1070	.1095	.1119	.1146	.1173	.1201	.1225	.1251
30.0	.101	.104	.106	.109	.111	.114	.116	.119	.122	.125	.127
30.2	.103	.105	.107	.110	.113	.115	.118	.121	.125	.128	.131
30.4	.104	.106	.109	.112	.114	.117	.120	.124	.129	.132	.135
30.6	.105	.108	.110	.113	.116	.118	.121	.125	.130	.133	.136
30.8	.107	.109	.112	.115	.117	.120	.124	.127	.130	.133	.136
31.0	.108	.111	.114	.116	.119	.122	.125	.127	.130	.133	.136
31.2	.110	.113	.115	.118	.122	.125	.128	.131	.134	.137	.140
31.4	.111	.114	.117	.120	.124	.127	.130	.133	.136	.139	.142
31.6	.113	.116	.119	.122	.125	.128	.131	.134	.137	.140	.143
31.8	.114	.117	.120	.123	.126	.129	.132	.135	.138	.141	.144
32.0	.116	.119	.121	.124	.127	.130	.133	.136	.139	.142	.145
32.2	.118	.122	.125	.128	.131	.134	.137	.140	.143	.146	.149
32.4	.119	.124	.127	.130	.133	.136	.139	.142	.145	.148	.151
32.6	.122	.127	.130	.133	.136	.139	.142	.145	.148	.151	.154
32.8	.124	.129	.132	.135	.138	.141	.144	.147	.150	.153	.156
33.0	.126	.131	.134	.137	.140	.143	.146	.149	.152	.155	.158
33.2	.129	.134	.137	.140	.143	.146	.149	.152	.155	.158	.161
33.4	.131	.136	.139	.142	.145	.148	.151	.154	.157	.160	.163
33.6	.133	.138	.141	.144	.147	.150	.153	.156	.159	.162	.165
33.8	.136	.141	.144	.147	.150	.153	.156	.159	.162	.165	.168
34.0	.139	.144	.147	.150	.153	.156	.159	.162	.165	.168	.171
34.2	.141	.146	.149	.152	.155	.158	.161	.164	.167	.170	.173
34.4	.142	.147	.150	.153	.156	.159	.162	.165	.168	.171	.174
34.6	.144	.149	.152	.155	.158	.161	.164	.167	.170	.173	.176
34.8	.146	.151	.154	.157	.160	.163	.166	.169	.172	.175	.178
35.0	.147	.152	.155	.158	.161	.164	.167	.170	.173	.176	.179

TABLE A-1 CONTINUED

TEMP DEG C	6.10	6.11	6.12	6.13	6.14	PH 6.15	6.16	6.17	6.18	6.19	6.20
35.0	.142	.145	.148	.152	.155	.159	.163	.166	.170	.174	.178
35.2	.144	.147	.150	.154	.157	.161	.165	.169	.173	.177	.181
35.4	.145	.149	.152	.156	.159	.163	.167	.171	.175	.179	.183
35.6	.147	.151	.154	.158	.161	.165	.169	.173	.177	.181	.185
35.8	.149	.153	.156	.160	.164	.168	.171	.175	.182	.186	.190
36.0	.151	.155	.158	.162	.166	.170	.174	.178	.184	.189	.194
36.2	.153	.157	.161	.164	.168	.172	.176	.180	.187	.191	.195
36.4	.155	.159	.163	.166	.170	.174	.178	.182	.189	.194	.198
36.6	.157	.161	.165	.169	.173	.177	.181	.185	.192	.196	.201
36.8	.159	.163	.167	.171	.175	.179	.183	.187	.194	.199	.203
37.0	.162	.165	.169	.173	.177	.181	.185	.190	.197	.201	.206
37.2	.164	.167	.171	.175	.179	.184	.188	.192	.199	.204	.209
37.4	.166	.170	.174	.178	.182	.186	.190	.195	.202	.207	.211
37.6	.168	.172	.176	.180	.184	.188	.193	.197	.205	.209	.214
37.8	.170	.174	.178	.182	.187	.191	.195	.200	.207	.212	.217
38.0	.172	.176	.181	.185	.189	.193	.198	.203	.210	.215	.220
38.2	.175	.179	.183	.187	.191	.196	.200	.205	.213	.218	.223
38.4	.177	.181	.185	.190	.194	.198	.203	.208	.215	.220	.225
38.6	.179	.183	.188	.192	.196	.201	.206	.211	.218	.223	.228
38.8	.182	.186	.190	.195	.199	.204	.208	.213	.221	.226	.231
39.0	.184	.188	.193	.197	.202	.206	.211	.216	.224	.229	.234
39.2	.186	.191	.195	.200	.204	.209	.214	.219	.227	.232	.237
39.4	.189	.194	.198	.202	.207	.212	.217	.222	.230	.235	.241
39.6	.191	.196	.200	.205	.210	.215	.220	.225	.233	.238	.244
40.0	.196	.201	.205	.210	.215	.220	.225	.230	.236	.241	.247

TABLE PAGE 72

TABLE A-1 CONTINUED

TEMP DEG C	6.20	6.21	6.22	6.23	6.24	PH 6.25	6.26	6.27	6.28	6.29	6.30
0	.0131	.0134	.0137	.0140	.0144	.0147	.0150	.0154	.0158	.0161	.0165
.2	.0133	.0136	.0140	.0143	.0146	.0150	.0153	.0157	.0160	.0164	.0168
.4	.0136	.0139	.0142	.0145	.0149	.0152	.0156	.0159	.0163	.0167	.0171
.6	.0138	.0141	.0144	.0148	.0151	.0155	.0158	.0162	.0166	.0170	.0173
.8	.0140	.0143	.0147	.0150	.0154	.0157	.0161	.0165	.0168	.0172	.0176
1.0	.0142	.0146	.0149	.0153	.0156	.0160	.0164	.0167	.0171	.0175	.0179
1.2	.0145	.0148	.0152	.0155	.0159	.0163	.0166	.0170	.0174	.0178	.0182
1.4	.0147	.0151	.0154	.0158	.0162	.0165	.0169	.0173	.0177	.0181	.0185
1.6	.0150	.0153	.0157	.0161	.0164	.0168	.0172	.0176	.0180	.0184	.0188
1.8	.0152	.0156	.0159	.0163	.0167	.0171	.0175	.0179	.0183	.0187	.0191
2.0	.0155	.0158	.0162	.0166	.0170	.0174	.0178	.0182	.0186	.0191	.0195
2.2	.0157	.0161	.0165	.0169	.0173	.0177	.0181	.0185	.0189	.0194	.0198
2.4	.0160	.0164	.0168	.0172	.0176	.0180	.0184	.0188	.0192	.0197	.0201
2.6	.0163	.0167	.0170	.0174	.0178	.0183	.0187	.0191	.0196	.0200	.0204
2.8	.0165	.0169	.0173	.0177	.0181	.0186	.0190	.0194	.0199	.0204	.0208
3.0	.0168	.0172	.0176	.0180	.0184	.0189	.0193	.0198	.0202	.0207	.0211
3.2	.0171	.0175	.0179	.0183	.0188	.0192	.0196	.0200	.0205	.0210	.0214
3.4	.0174	.0178	.0182	.0186	.0191	.0195	.0200	.0204	.0209	.0214	.0219
3.6	.0177	.0181	.0185	.0189	.0194	.0198	.0203	.0207	.0212	.0217	.0222
3.8	.0180	.0184	.0188	.0192	.0197	.0201	.0206	.0210	.0215	.0220	.0225
4.0	.0183	.0187	.0191	.0196	.0200	.0205	.0210	.0215	.0220	.0225	.0230
4.2	.0186	.0190	.0194	.0199	.0204	.0208	.0213	.0218	.0223	.0228	.0233
4.4	.0189	.0193	.0198	.0202	.0207	.0212	.0217	.0222	.0227	.0232	.0237
4.6	.0192	.0196	.0201	.0205	.0210	.0215	.0220	.0225	.0230	.0235	.0240
4.8	.0195	.0199	.0204	.0209	.0214	.0219	.0224	.0229	.0234	.0239	.0244
5.0	.0198	.0203	.0207	.0212	.0217	.0222	.0227	.0233	.0238	.0244	.0249
5.2	.0201	.0206	.0211	.0216	.0221	.0226	.0231	.0237	.0242	.0248	.0253
5.4	.0205	.0209	.0214	.0219	.0224	.0229	.0235	.0240	.0246	.0252	.0258
5.6	.0208	.0213	.0218	.0223	.0228	.0233	.0239	.0244	.0250	.0256	.0262
5.8	.0211	.0216	.0221	.0226	.0232	.0237	.0243	.0248	.0254	.0260	.0266
6.0	.0215	.0220	.0225	.0230	.0236	.0241	.0247	.0252	.0258	.0264	.0270
6.2	.0218	.0223	.0229	.0234	.0240	.0245	.0251	.0256	.0262	.0268	.0274
6.4	.0222	.0227	.0232	.0238	.0243	.0249	.0255	.0261	.0267	.0273	.0279
6.6	.0225	.0231	.0236	.0242	.0247	.0253	.0259	.0265	.0271	.0277	.0283
6.8	.0229	.0234	.0240	.0245	.0251	.0257	.0263	.0269	.0275	.0282	.0288
7.0	.0233	.0238	.0244	.0249	.0255	.0261	.0267	.0273	.0280	.0286	.0292

TABLE A-1 CONTINUED

TABLE PAGE 74

TEMP DEG C	6.20	6.21	6.22	6.23	6.24	PH 6.25	6.26	6.27	6.28	6.29	6.30
7.0	.0233	.0238	.0244	.0249	.0255	.0261	.0267	.0273	.0280	.0286	.0293
7.2	.0237	.0242	.0248	.0253	.0259	.0265	.0272	.0278	.0284	.0291	.0298
7.4	.0240	.0246	.0252	.0257	.0263	.0270	.0276	.0282	.0289	.0296	.0303
7.6	.0244	.0250	.0256	.0262	.0268	.0274	.0280	.0287	.0293	.0300	.0307
7.8	.0248	.0254	.0260	.0266	.0272	.0278	.0285	.0291	.0298	.0305	.0312
8.0	.0252	.0258	.0264	.0270	.0276	.0283	.0289	.0296	.0303	.0310	.0317
8.2	.0256	.0262	.0268	.0274	.0281	.0287	.0294	.0301	.0308	.0315	.0322
8.4	.0260	.0266	.0272	.0279	.0285	.0292	.0299	.0306	.0313	.0320	.0328
8.6	.0264	.0271	.0277	.0283	.0290	.0297	.0304	.0311	.0318	.0325	.0333
8.8	.0269	.0275	.0281	.0288	.0294	.0301	.0308	.0316	.0323	.0330	.0338
9.0	.0273	.0279	.0286	.0292	.0299	.0306	.0313	.0321	.0328	.0336	.0343
9.2	.0277	.0284	.0290	.0297	.0304	.0311	.0318	.0326	.0333	.0341	.0349
9.4	.0282	.0288	.0295	.0302	.0309	.0316	.0323	.0331	.0339	.0346	.0354
9.6	.0286	.0293	.0300	.0306	.0314	.0321	.0328	.0336	.0344	.0352	.0360
9.8	.0291	.0297	.0304	.0311	.0319	.0326	.0334	.0342	.0349	.0357	.0366
10.0	.0295	.0302	.0309	.0316	.0324	.0331	.0339	.0347	.0355	.0363	.0372
10.2	.0300	.0307	.0314	.0321	.0329	.0336	.0344	.0352	.0360	.0369	.0377
10.4	.0305	.0312	.0319	.0326	.0334	.0342	.0350	.0358	.0366	.0375	.0383
10.6	.0309	.0317	.0324	.0331	.0339	.0347	.0355	.0363	.0372	.0381	.0389
10.8	.0314	.0322	.0329	.0337	.0344	.0352	.0361	.0369	.0378	.0387	.0396
11.0	.0319	.0327	.0334	.0342	.0350	.0358	.0366	.0375	.0384	.0393	.0402
11.2	.0324	.0332	.0339	.0347	.0355	.0364	.0372	.0381	.0390	.0400	.0408
11.4	.0329	.0337	.0345	.0353	.0361	.0369	.0378	.0387	.0396	.0405	.0414
11.6	.0334	.0342	.0350	.0358	.0367	.0375	.0384	.0393	.0402	.0411	.0420
11.8	.0340	.0347	.0356	.0364	.0372	.0381	.0390	.0399	.0408	.0418	.0427
12.0	.0345	.0353	.0361	.0369	.0378	.0387	.0396	.0405	.0415	.0424	.0433
12.2	.0350	.0358	.0367	.0375	.0384	.0393	.0402	.0411	.0420	.0430	.0438
12.4	.0356	.0364	.0372	.0381	.0390	.0399	.0408	.0418	.0428	.0437	.0446
12.6	.0361	.0370	.0378	.0387	.0396	.0405	.0415	.0425	.0434	.0444	.0453
12.8	.0367	.0375	.0384	.0393	.0402	.0411	.0420	.0430	.0439	.0449	.0458
13.0	.0372	.0381	.0390	.0399	.0408	.0418	.0428	.0438	.0448	.0458	.0469
13.2	.0378	.0387	.0396	.0405	.0415	.0424	.0434	.0444	.0455	.0465	.0476
13.4	.0384	.0393	.0402	.0411	.0421	.0431	.0441	.0451	.0462	.0472	.0483
13.6	.0390	.0399	.0408	.0418	.0428	.0438	.0448	.0458	.0469	.0479	.0490
13.8	.0396	.0405	.0415	.0425	.0435	.0445	.0455	.0465	.0476	.0487	.0498
14.0	.0402	.0411	.0421	.0431	.0441	.0451	.0462	.0472	.0483	.0495	.0506

TABLE A-1 CONTINUED

TABLE PAGE 75

TEMP DEG C	6.20	6.21	6.22	6.23	6.24	PH 6.25	6.26	6.27	6.28	6.29	6.30
14.0	.0402	.0411	.0421	.0431	.0441	.0451	.0462	.0472	.0483	.0495	.0506
14.2	.0408	.0418	.0427	.0437	.0448	.0458	.0469	.0480	.0491	.0502	.0514
14.4	.0414	.0424	.0434	.0444	.0454	.0465	.0476	.0487	.0498	.0510	.0522
14.6	.0421	.0431	.0441	.0451	.0461	.0472	.0483	.0494	.0506	.0518	.0530
14.8	.0427	.0437	.0447	.0458	.0468	.0479	.0490	.0502	.0514	.0526	.0538
15.0	.0434	.0444	.0454	.0465	.0476	.0487	.0498	.0510	.0521	.0534	.0546
15.2	.0440	.0451	.0461	.0472	.0483	.0494	.0506	.0517	.0529	.0542	.0554
15.4	.0447	.0457	.0468	.0479	.0490	.0502	.0513	.0525	.0537	.0550	.0563
15.6	.0454	.0464	.0475	.0486	.0498	.0509	.0521	.0533	.0546	.0558	.0571
15.8	.0461	.0471	.0482	.0494	.0505	.0517	.0529	.0541	.0554	.0567	.0580
16.0	.0468	.0479	.0490	.0501	.0513	.0525	.0537	.0549	.0562	.0575	.0589
16.2	.0475	.0486	.0497	.0509	.0521	.0533	.0545	.0558	.0571	.0584	.0598
16.4	.0482	.0493	.0505	.0516	.0528	.0541	.0553	.0566	.0579	.0593	.0607
16.6	.0489	.0501	.0512	.0524	.0536	.0549	.0562	.0575	.0588	.0602	.0616
16.8	.0497	.0508	.0520	.0532	.0544	.0557	.0570	.0583	.0597	.0611	.0625
17.0	.0504	.0516	.0528	.0540	.0553	.0565	.0579	.0592	.0606	.0620	.0634
17.2	.0512	.0523	.0536	.0548	.0561	.0574	.0587	.0601	.0615	.0629	.0644
17.4	.0519	.0531	.0544	.0556	.0569	.0583	.0596	.0610	.0624	.0639	.0654
17.6	.0527	.0539	.0552	.0565	.0578	.0591	.0605	.0619	.0634	.0648	.0663
17.8	.0535	.0547	.0560	.0573	.0586	.0600	.0614	.0628	.0643	.0658	.0673
18.0	.0543	.0556	.0568	.0582	.0595	.0609	.0623	.0638	.0653	.0668	.0683
18.2	.0551	.0564	.0577	.0590	.0604	.0618	.0633	.0647	.0662	.0678	.0694
18.4	.0559	.0572	.0586	.0599	.0613	.0627	.0642	.0657	.0672	.0688	.0704
18.6	.0568	.0581	.0594	.0608	.0622	.0637	.0652	.0667	.0682	.0698	.0714
18.8	.0576	.0589	.0603	.0617	.0631	.0646	.0661	.0677	.0692	.0708	.0725
19.0	.0584	.0598	.0612	.0626	.0641	.0656	.0671	.0687	.0703	.0719	.0736
19.2	.0593	.0607	.0621	.0636	.0650	.0665	.0681	.0697	.0713	.0730	.0747
19.4	.0602	.0616	.0630	.0645	.0660	.0675	.0691	.0707	.0724	.0740	.0758
19.6	.0611	.0625	.0640	.0654	.0670	.0685	.0701	.0718	.0734	.0751	.0769
19.8	.0620	.0634	.0649	.0664	.0680	.0695	.0712	.0729	.0745	.0762	.0780
20.0	.0629	.0644	.0659	.0674	.0690	.0706	.0722	.0739	.0756	.0774	.0792
20.2	.0638	.0653	.0668	.0684	.0700	.0716	.0733	.0750	.0767	.0785	.0803
20.4	.0648	.0663	.0678	.0694	.0710	.0727	.0743	.0761	.0778	.0797	.0815
20.6	.0657	.0672	.0688	.0704	.0720	.0737	.0754	.0772	.0790	.0808	.0827
20.8	.0667	.0682	.0698	.0714	.0731	.0748	.0765	.0783	.0801	.0820	.0839
21.0	.0676	.0692	.0708	.0725	.0742	.0759	.0777	.0795	.0813	.0832	.0851

TABLE A-1 CONTINUED

TABLE PAGE 76

TEMP DEG C	6.20	6.21	6.22	6.23	6.24	PH 6.25	6.26	6.27	6.28	6.29	6.30
21.0	.0676	.0692	.0708	.0725	.0742	.0759	.0777	.0795	.0813	.0832	.0851
21.2	.0686	.0702	.0719	.0735	.0752	.0770	.0788	.0806	.0823	.0844	.0864
21.4	.0696	.0713	.0729	.0746	.0763	.0781	.0799	.0818	.0837	.0857	.0876
21.6	.0706	.0723	.0740	.0757	.0775	.0793	.0811	.0830	.0849	.0869	.0889
21.8	.0717	.0733	.0751	.0768	.0786	.0804	.0823	.0842	.0862	.0882	.0902
22.0	.0727	.0744	.0761	.0779	.0797	.0816	.0835	.0854	.0874	.0894	.0915
22.2	.0738	.0755	.0772	.0790	.0809	.0828	.0847	.0867	.0887	.0907	.0929
22.4	.0748	.0766	.0784	.0802	.0821	.0840	.0859	.0879	.0900	.0921	.0942
22.6	.0759	.0777	.0795	.0813	.0832	.0852	.0872	.0892	.0913	.0934	.0956
22.8	.0770	.0788	.0806	.0825	.0844	.0864	.0884	.0905	.0926	.0947	.0969
23.0	.0781	.0799	.0818	.0837	.0857	.0877	.0897	.0918	.0939	.0961	.0983
23.2	.0793	.0811	.0830	.0849	.0869	.0889	.0910	.0931	.0953	.0975	.0998
23.4	.0804	.0823	.0842	.0861	.0881	.0902	.0923	.0944	.0966	.0989	.1012
23.6	.0816	.0835	.0854	.0874	.0894	.0915	.0936	.0958	.0980	.1003	.1026
23.8	.0827	.0846	.0866	.0886	.0907	.0928	.0950	.0972	.0994	.1018	.1041
24.0	.0839	.0859	.0879	.0899	.0920	.0941	.0963	.0986	.1009	.1032	.1056
24.2	.0851	.0871	.0891	.0912	.0933	.0955	.0977	.1000	.1023	.1047	.1071
24.4	.0863	.0883	.0904	.0925	.0946	.0968	.0991	.1014	.1038	.1062	.1087
24.6	.0876	.0896	.0917	.0938	.0960	.0982	.1005	.1029	.1052	.1077	.1102
24.8	.0888	.0909	.0930	.0951	.0974	.0996	.1019	.1043	.1067	.1092	.1117
25.0	.0901	.0922	.0943	.0965	.0987	.1010	.1034	.1058	.1083	.1108	.1134
25.2	.0913	.0935	.0956	.0979	.1002	.1025	.1049	.1073	.1098	.1124	.1150
25.4	.0926	.0948	.0970	.0993	.1016	.1039	.1064	.1088	.1114	.1140	.1167
25.6	.0940	.0961	.0984	.1007	.1030	.1054	.1079	.1104	.1129	.1156	.1183
25.8	.0953	.0975	.0998	.1021	.1045	.1069	.1094	.1119	.1145	.1172	.1200
26.0	.0966	.0989	.1012	.1035	.1059	.1084	.1109	.1135	.1162	.1189	.1216
26.2	.0980	.1003	.1026	.1050	.1074	.1099	.1125	.1151	.1178	.1205	.1233
26.4	.0994	.1017	.1041	.1065	.1090	.1115	.1141	.1167	.1195	.1222	.1251
26.6	.101	.103	.106	.108	.110	.113	.116	.118	.121	.124	.127
26.8	.102	.105	.107	.109	.112	.115	.119	.120	.123	.126	.129
27.0	.104	.106	.109	.111	.114	.116	.119	.122	.125	.127	.130
27.2	.105	.108	.110	.113	.115	.118	.122	.125	.128	.131	.134
27.4	.107	.109	.112	.114	.118	.120	.124	.127	.130	.133	.136
27.6	.110	.111	.113	.116	.118	.121	.124	.127	.130	.133	.138
27.8	.111	.112	.115	.117	.120	.123	.126	.129	.133	.137	.140
28.0	.111	.114	.116	.119	.122	.125	.128	.130	.134	.137	.140

TEMP DEG C	6.20	6.21	6.22	6.23	6.24	PH 6.25	6.26	6.27	6.28	6.29	6.30
28.0	111	114	116	119	123	125	128	130	134	137	140
28.2	113	115	118	122	125	128	131	134	137	140	144
28.4	114	117	120	124	127	130	133	136	139	142	146
28.6	116	118	121	126	129	132	135	138	141	144	148
28.8	117	120	123	128	130	134	137	140	143	146	150
29.0	119	122	125	128	130	135	137	140	143	146	150
29.2	121	123	126	129	132	135	139	142	145	148	152
29.4	122	125	128	131	134	137	140	144	147	150	154
29.6	124	127	130	133	136	141	144	148	151	153	156
29.8	127	130	133	137	140	143	146	150	153	157	160
30.0	129	133	137	140	142	147	150	154	157	159	163
30.2	131	135	139	142	146	149	152	156	160	163	167
30.4	133	137	141	144	148	151	154	158	162	166	170
30.6	135	140	143	146	150	153	157	160	164	168	172
30.8	136	141	144	147	151	154	158	162	166	170	174
31.0	138	142	145	148	152	155	159	163	168	172	176
31.2	140	144	147	150	154	157	161	165	170	174	178
31.4	142	146	149	152	156	160	164	168	173	177	181
31.6	144	148	151	154	158	162	166	170	175	180	184
31.8	146	150	153	156	160	164	168	172	177	182	186
32.0	148	152	155	158	162	166	170	174	179	184	189
32.2	150	154	157	160	164	168	172	176	181	187	191
32.4	152	156	159	162	166	170	174	178	183	189	194
32.6	154	158	161	164	169	173	177	181	186	192	196
32.8	156	160	163	166	171	175	179	183	188	194	199
33.0	158	162	165	168	173	177	182	186	191	197	202
33.2	160	164	167	170	175	180	184	189	194	200	204
33.4	162	166	169	172	177	182	187	191	196	202	207
33.6	164	168	171	174	179	184	189	193	198	204	210
33.8	166	170	173	176	181	186	191	195	201	206	211
34.0	167	171	175	179	183	187	192	196	201	205	210
34.2	169	173	177	181	185	190	194	199	203	208	213
34.4	171	175	179	184	188	192	197	201	206	211	216
34.6	174	178	182	186	190	195	199	204	209	214	219
34.8	176	180	184	189	193	197	202	207	211	216	221
35.0	178	182	187	191	195	200	205	209	214	219	224

TABLE A-1 CONTINUED

TABLE PAGE 78

TEMP DEG C	6.20	6.21	6.22	6.23	6.24	PH 6.25	6.26	6.27	6.28	6.29	6.30
35.0	178	182	187	191	195	200	205	209	214	219	224
35.2	181	185	189	194	198	203	207	212	217	222	227
35.5	183	187	192	196	201	205	210	215	220	225	230
35.8	188	190	197	199	206	211	216	221	226	231	237
36.0	190	195	199	204	209	214	219	224	229	234	240
36.2	193	197	202	207	212	216	221	227	232	237	243
36.6	195	200	205	209	214	219	224	230	235	240	246
36.8	198	203	207	212	217	222	227	233	238	244	249
37.0	201	208	213	218	223	228	233	239	244	250	256
37.2	203	208	213	218	223	228	233	239	244	250	256
37.6	206	211	216	221	226	231	236	242	247	253	259
37.8	209	214	219	224	229	234	239	245	251	257	263
38.0	211	216	221	226	231	236	241	248	254	260	266
38.2	214	219	224	229	234	239	244	251	257	263	269
38.6	217	222	227	232	237	242	247	254	261	267	273
38.8	220	225	230	235	241	246	252	258	264	270	277
39.0	223	228	233	238	244	250	256	261	267	274	280
39.2	226	231	236	241	247	253	259	265	271	277	284
39.6	231	237	242	248	254	260	266	272	278	285	291
39.8	234	240	245	251	257	263	269	275	281	288	295
40.0	237	243	249	254	260	266	273	279	285	292	299
40.2	241	246	252	258	264	270	276	282	289	296	303
40.4	247	252	258	264	270	277	283	289	297	303	310

TABLE A-1 CONTINUED

TEMP DEG C	6.30	6.31	6.32	6.33	6.34	PH 6.35	6.36	6.37	6.38	6.39	6.40
0	.0165	.0169	.0173	.0177	.0181	.0185	.0189	.0194	.0198	.0203	.0208
2	.0168	.0172	.0176	.0180	.0184	.0188	.0193	.0197	.0202	.0206	.0211
4	.0173	.0178	.0182	.0186	.0191	.0195	.0199	.0204	.0209	.0213	.0218
6	.0176	.0181	.0185	.0189	.0193	.0198	.0203	.0207	.0212	.0217	.0222
8	.0179	.0184	.0188	.0192	.0197	.0201	.0206	.0211	.0216	.0221	.0226
10	.0187	.0191	.0195	.0199	.0203	.0208	.0213	.0218	.0223	.0228	.0233
12	.0189	.0193	.0197	.0202	.0207	.0212	.0217	.0222	.0227	.0232	.0237
14	.0192	.0196	.0201	.0205	.0210	.0215	.0220	.0225	.0230	.0235	.0240
16	.0195	.0199	.0204	.0209	.0214	.0219	.0224	.0229	.0234	.0239	.0245
18	.0200	.0204	.0208	.0213	.0218	.0223	.0228	.0233	.0238	.0243	.0248
20	.0203	.0207	.0211	.0216	.0221	.0226	.0231	.0236	.0241	.0246	.0251
22	.0206	.0210	.0214	.0219	.0224	.0229	.0234	.0239	.0244	.0249	.0254
24	.0209	.0213	.0217	.0222	.0227	.0232	.0237	.0242	.0247	.0252	.0257
26	.0212	.0216	.0220	.0225	.0230	.0235	.0240	.0245	.0250	.0255	.0260
28	.0215	.0219	.0223	.0228	.0233	.0238	.0243	.0248	.0253	.0258	.0263
30	.0218	.0222	.0226	.0231	.0236	.0241	.0246	.0251	.0256	.0261	.0266
32	.0221	.0225	.0229	.0234	.0239	.0244	.0249	.0254	.0259	.0264	.0269
34	.0224	.0228	.0232	.0237	.0242	.0247	.0252	.0257	.0262	.0267	.0272
36	.0227	.0231	.0235	.0240	.0245	.0250	.0255	.0260	.0265	.0270	.0275
38	.0230	.0234	.0238	.0243	.0248	.0253	.0258	.0263	.0268	.0273	.0278
40	.0233	.0237	.0241	.0246	.0251	.0256	.0261	.0266	.0271	.0276	.0281
42	.0236	.0240	.0244	.0249	.0254	.0259	.0264	.0269	.0274	.0279	.0284
44	.0239	.0243	.0247	.0252	.0257	.0262	.0267	.0272	.0277	.0282	.0287
46	.0242	.0246	.0250	.0255	.0260	.0265	.0270	.0275	.0280	.0285	.0290
48	.0245	.0249	.0253	.0258	.0263	.0268	.0273	.0278	.0283	.0288	.0293
50	.0248	.0252	.0256	.0261	.0266	.0271	.0276	.0281	.0286	.0291	.0296
52	.0251	.0255	.0259	.0264	.0269	.0274	.0279	.0284	.0289	.0294	.0299
54	.0254	.0258	.0262	.0267	.0272	.0277	.0282	.0287	.0292	.0297	.0302
56	.0257	.0261	.0265	.0270	.0275	.0280	.0285	.0290	.0295	.0300	.0305
58	.0260	.0264	.0268	.0273	.0278	.0283	.0288	.0293	.0298	.0303	.0308
60	.0263	.0267	.0271	.0276	.0281	.0286	.0291	.0296	.0301	.0306	.0311
62	.0266	.0270	.0274	.0279	.0284	.0289	.0294	.0299	.0304	.0309	.0314
64	.0269	.0273	.0277	.0282	.0287	.0292	.0297	.0302	.0307	.0312	.0317
66	.0272	.0276	.0280	.0285	.0290	.0295	.0300	.0305	.0310	.0315	.0320
68	.0275	.0279	.0283	.0288	.0293	.0298	.0303	.0308	.0313	.0318	.0323
70	.0278	.0282	.0286	.0291	.0296	.0301	.0306	.0311	.0316	.0321	.0326
72	.0281	.0285	.0289	.0294	.0299	.0304	.0309	.0314	.0319	.0324	.0329
74	.0284	.0288	.0292	.0297	.0302	.0307	.0312	.0317	.0322	.0327	.0332
76	.0287	.0291	.0295	.0300	.0305	.0310	.0315	.0320	.0325	.0330	.0335
78	.0290	.0294	.0298	.0303	.0308	.0313	.0318	.0323	.0328	.0333	.0338
80	.0293	.0297	.0301	.0306	.0311	.0316	.0321	.0326	.0331	.0336	.0341
82	.0296	.0300	.0304	.0309	.0314	.0319	.0324	.0329	.0334	.0339	.0344
84	.0299	.0303	.0307	.0312	.0317	.0322	.0327	.0332	.0337	.0342	.0347
86	.0302	.0306	.0310	.0315	.0320	.0325	.0330	.0335	.0340	.0345	.0350
88	.0305	.0309	.0313	.0318	.0323	.0328	.0333	.0338	.0343	.0348	.0353
90	.0308	.0312	.0316	.0321	.0326	.0331	.0336	.0341	.0346	.0351	.0356
92	.0311	.0315	.0319	.0324	.0329	.0334	.0339	.0344	.0349	.0354	.0359
94	.0314	.0318	.0322	.0327	.0332	.0337	.0342	.0347	.0352	.0357	.0362
96	.0317	.0321	.0325	.0330	.0335	.0340	.0345	.0350	.0355	.0360	.0365
98	.0320	.0324	.0328	.0333	.0338	.0343	.0348	.0353	.0358	.0363	.0368
100	.0323	.0327	.0331	.0336	.0341	.0346	.0351	.0356	.0361	.0366	.0371

TABLE A-1 CONTINUED

TEMP DEG C	6.30	6.31	6.32	6.33	6.34	6.35 PH	6.36	6.37	6.38	6.39	6.40
7.0	.0293	.0300	.0307	.0314	.0321	.0329	.0336	.0344	.0352	.0360	.0365
7.2	.0298	.0305	.0312	.0319	.0326	.0334	.0342	.0350	.0358	.0366	.0375
7.4	.0303	.0310	.0317	.0324	.0332	.0339	.0347	.0355	.0364	.0372	.0381
7.6	.0307	.0315	.0322	.0329	.0337	.0345	.0353	.0361	.0370	.0378	.0387
7.8	.0312	.0320	.0327	.0335	.0342	.0350	.0358	.0367	.0375	.0384	.0393
8.0	.0317	.0325	.0332	.0340	.0348	.0356	.0364	.0373	.0381	.0390	.0399
8.2	.0322	.0330	.0338	.0345	.0353	.0362	.0370	.0379	.0388	.0397	.0406
8.4	.0328	.0335	.0343	.0351	.0359	.0368	.0376	.0385	.0394	.0403	.0412
8.6	.0333	.0341	.0348	.0357	.0365	.0373	.0382	.0391	.0400	.0409	.0419
8.8	.0338	.0346	.0354	.0362	.0371	.0379	.0388	.0397	.0406	.0416	.0426
9.0	.0343	.0351	.0360	.0368	.0377	.0385	.0394	.0404	.0413	.0423	.0432
9.2	.0349	.0357	.0365	.0374	.0383	.0391	.0401	.0410	.0419	.0429	.0438
9.4	.0354	.0363	.0371	.0380	.0389	.0398	.0407	.0416	.0426	.0436	.0445
9.6	.0360	.0368	.0377	.0386	.0395	.0404	.0413	.0423	.0433	.0443	.0453
9.8	.0366	.0374	.0383	.0392	.0401	.0410	.0419	.0429	.0439	.0449	.0459
10.0	.0372	.0380	.0389	.0398	.0407	.0417	.0427	.0437	.0447	.0457	.0468
10.2	.0377	.0386	.0395	.0404	.0414	.0423	.0433	.0443	.0454	.0464	.0475
10.4	.0383	.0392	.0401	.0411	.0420	.0430	.0440	.0450	.0461	.0472	.0483
10.6	.0389	.0398	.0408	.0417	.0427	.0437	.0447	.0457	.0468	.0479	.0490
10.8	.0396	.0405	.0414	.0424	.0434	.0444	.0454	.0465	.0475	.0487	.0498
11.0	.0402	.0411	.0421	.0430	.0440	.0451	.0461	.0472	.0483	.0494	.0506
11.2	.0408	.0418	.0427	.0437	.0447	.0458	.0468	.0479	.0490	.0502	.0514
11.4	.0414	.0424	.0434	.0444	.0454	.0465	.0476	.0487	.0498	.0510	.0522
11.6	.0421	.0431	.0441	.0451	.0461	.0472	.0483	.0494	.0506	.0518	.0530
11.8	.0427	.0437	.0448	.0458	.0469	.0480	.0491	.0502	.0514	.0526	.0538
12.0	.0434	.0444	.0455	.0465	.0476	.0487	.0498	.0510	.0522	.0534	.0546
12.2	.0441	.0451	.0462	.0472	.0483	.0495	.0506	.0518	.0530	.0542	.0555
12.4	.0448	.0458	.0469	.0480	.0491	.0502	.0514	.0526	.0538	.0550	.0564
12.6	.0455	.0465	.0476	.0487	.0498	.0510	.0522	.0534	.0547	.0559	.0572
12.8	.0462	.0472	.0483	.0495	.0506	.0518	.0530	.0542	.0555	.0568	.0581
13.0	.0469	.0480	.0491	.0502	.0514	.0526	.0538	.0551	.0564	.0577	.0590
13.2	.0476	.0487	.0498	.0510	.0522	.0534	.0547	.0559	.0572	.0586	.0598
13.4	.0483	.0495	.0506	.0518	.0530	.0542	.0555	.0568	.0581	.0594	.0608
13.6	.0491	.0502	.0514	.0526	.0538	.0551	.0564	.0577	.0590	.0604	.0618
13.8	.0498	.0510	.0522	.0534	.0547	.0559	.0572	.0586	.0598	.0613	.0627
14.0	.0506	.0518	.0530	.0542	.0555	.0568	.0581	.0594	.0608	.0622	.0637

TABLE A-1 CONTINUED

TABLE PAGE 81

TEMP DEG C	6.30	6.31	6.32	6.33	6.34	6.35	6.36	6.37	6.38	6.39	6.40
14.0	.0506	.0518	.0530	.0542	.0555	.0568	.0580	.0594	.0608	.0622	.0637
14.2	.0514	.0526	.0538	.0551	.0563	.0576	.0589	.0604	.0618	.0632	.0647
14.4	.0520	.0534	.0546	.0559	.0572	.0585	.0599	.0613	.0627	.0641	.0657
14.6	.0530	.0542	.0555	.0568	.0581	.0594	.0608	.0622	.0636	.0650	.0667
14.8	.0538	.0550	.0563	.0576	.0589	.0603	.0616	.0630	.0644	.0658	.0677
15.0	.0546	.0559	.0572	.0585	.0599	.0613	.0627	.0641	.0655	.0670	.0687
15.2	.0554	.0567	.0580	.0594	.0608	.0622	.0636	.0651	.0666	.0682	.0698
15.4	.0563	.0576	.0589	.0603	.0617	.0631	.0646	.0661	.0677	.0692	.0708
15.6	.0571	.0585	.0598	.0612	.0626	.0641	.0656	.0671	.0687	.0703	.0719
15.8	.0580	.0593	.0607	.0621	.0636	.0651	.0666	.0681	.0697	.0713	.0730
16.0	.0589	.0602	.0616	.0631	.0645	.0660	.0676	.0692	.0708	.0724	.0741
16.2	.0598	.0611	.0626	.0640	.0655	.0670	.0686	.0702	.0718	.0735	.0752
16.4	.0607	.0621	.0635	.0650	.0665	.0681	.0696	.0713	.0729	.0746	.0764
16.6	.0616	.0630	.0645	.0660	.0675	.0691	.0707	.0723	.0740	.0757	.0775
16.8	.0625	.0640	.0654	.0669	.0685	.0701	.0718	.0734	.0751	.0769	.0787
17.0	.0634	.0649	.0664	.0680	.0696	.0712	.0728	.0745	.0763	.0780	.0799
17.2	.0644	.0659	.0674	.0690	.0706	.0722	.0739	.0756	.0774	.0792	.0811
17.4	.0654	.0669	.0684	.0700	.0717	.0733	.0750	.0768	.0786	.0804	.0823
17.6	.0663	.0679	.0695	.0711	.0728	.0744	.0762	.0779	.0797	.0816	.0835
17.8	.0673	.0689	.0705	.0721	.0738	.0755	.0773	.0791	.0809	.0828	.0847
18.0	.0683	.0699	.0716	.0732	.0749	.0767	.0785	.0803	.0821	.0841	.0860
18.2	.0694	.0710	.0726	.0743	.0760	.0778	.0796	.0815	.0834	.0853	.0873
18.4	.0704	.0720	.0737	.0754	.0772	.0790	.0808	.0827	.0846	.0866	.0886
18.6	.0714	.0731	.0748	.0765	.0783	.0801	.0820	.0839	.0859	.0879	.0899
18.8	.0725	.0742	.0759	.0777	.0795	.0813	.0832	.0852	.0871	.0892	.0912
19.0	.0736	.0753	.0770	.0788	.0807	.0825	.0845	.0864	.0884	.0905	.0926
19.2	.0747	.0764	.0782	.0800	.0819	.0838	.0857	.0877	.0897	.0918	.0940
19.4	.0758	.0775	.0793	.0812	.0831	.0850	.0870	.0890	.0911	.0932	.0954
19.6	.0769	.0787	.0805	.0824	.0843	.0863	.0883	.0903	.0924	.0946	.0968
19.8	.0780	.0798	.0817	.0836	.0855	.0875	.0896	.0916	.0938	.0960	.0982
20.0	.0792	.0810	.0829	.0848	.0868	.0888	.0909	.0930	.0952	.0974	.0996
20.2	.0803	.0824	.0841	.0861	.0881	.0901	.0922	.0944	.0966	.0989	.1016
20.4	.0815	.0834	.0853	.0873	.0894	.0914	.0936	.0958	.0980	.1003	.1041
20.6	.0827	.0846	.0866	.0886	.0907	.0928	.0950	.0972	.0994	.1017	.1056
20.8	.0839	.0859	.0879	.0899	.0920	.0941	.0963	.0986	.1009	.1032	.1071
21.0	.0851	.0871	.0892	.0912	.0934	.0955	.0977	.1000	.1023	.1047	.1087

TABLE A-1 CONTINUED

TABLE PAGE 82

TEMP DEG C	6.30	6.31	6.32	6.33	6.34	PH 6.35	6.36	6.37	6.38	6.39	6.40
21.0	0851	0871	0892	0912	0934	0955	0977	1000	1023	1047	1072
21.2	0866	0884	0905	0926	0947	0969	0992	1015	1038	1063	1083
21.4	0879	0897	0918	0939	0961	0983	1006	1030	1054	1078	1103
21.6	0889	0910	0931	0953	0989	1012	1036	1060	1084	1109	1135
21.8	0902	0923	0945	0981	1003	1027	1051	1075	1100	1126	1152
22.0	0915	0937	0958	0981	1003	1027	1051	1075	1100	1126	1152
22.2	0924	0950	0972	0995	1018	1042	1066	1091	1116	1142	1166
22.4	0942	0964	0986	1009	1033	1057	1081	1107	1132	1159	1183
22.6	0956	0978	1001	1024	1046	1072	1097	1123	1149	1175	1203
22.8	0969	0992	1015	1039	1063	1088	1112	1135	1162	1190	1228
23.0	0983	1006	1030	1054	1078	1103	1129	1155	1182	1210	1238
23.2	0998	1021	1045	1069	1094	1119	1145	1172	1199	1227	1256
23.4	1011	1034	1057	1080	1103	1127	1151	1179	1203	1229	1259
23.6	1025	1048	1071	1094	1116	1138	1160	1184	1207	1231	1258
23.8	1038	1060	1082	1103	1124	1146	1167	1189	1211	1230	1258
24.0	1046	1067	1088	1108	1128	1148	1168	1189	1209	1228	1256
24.2	107	109	111	113	115	117	119	121	123	125	127
24.4	109	111	113	115	117	119	121	123	125	127	129
24.6	110	112	114	116	118	120	122	124	126	128	130
24.8	111	113	115	117	119	121	123	125	127	129	131
25.0	112	114	116	118	120	122	124	126	128	130	132
25.2	113	115	117	119	121	123	125	127	129	131	133
25.4	114	116	118	120	122	124	126	128	130	132	134
25.6	115	117	119	121	123	125	127	129	131	133	135
25.8	116	118	120	122	124	126	128	130	132	134	136
26.0	117	119	121	123	125	127	129	131	133	135	137
26.2	118	120	122	124	126	128	130	132	134	136	138
26.4	119	121	123	125	127	129	131	133	135	137	139
26.6	120	122	124	126	128	130	132	134	136	138	140
26.8	121	123	125	127	129	131	133	135	137	139	141
27.0	122	124	126	128	130	132	134	136	138	140	142
27.2	123	125	127	129	131	133	135	137	139	141	143
27.4	124	126	128	130	132	134	136	138	140	142	144
27.6	125	127	129	131	133	135	137	139	141	143	145
27.8	126	128	130	132	134	136	138	140	142	144	146
28.0	127	129	131	133	135	137	139	141	143	145	147

TABLE A-1 CONTINUED

TABLE PAGE 83

TEMP DEG C	6.30	6.31	6.32	6.33	6.34	PH 6.35	6.36	6.37	6.38	6.39	6.40
28.0	140	143	146	150	153	157	160	164	168	172	176
28.2	142	145	148	152	155	159	163	167	170	174	178
28.4	144	147	150	154	158	161	165	169	173	177	181
28.6	146	149	153	156	160	163	167	171	175	179	183
28.8	148	151	155	158	162	166	170	174	178	182	186
29.0	150	153	157	160	164	168	172	176	180	184	188
29.2	152	155	159	163	166	170	174	178	183	187	191
29.4	154	158	161	165	169	173	177	181	185	189	194
29.6	156	160	163	167	171	175	179	183	188	192	196
29.8	158	162	166	170	173	177	182	186	190	195	199
30.0	160	164	168	172	176	180	184	188	193	197	202
30.2	163	166	170	174	178	182	187	191	195	200	205
30.4	165	169	173	177	181	185	189	194	198	203	207
30.6	167	171	175	179	183	187	192	196	201	205	210
30.8	169	173	177	181	185	189	194	198	203	208	213
31.0	172	176	180	184	188	193	197	202	206	211	216
31.2	174	178	182	186	191	195	200	204	209	214	219
31.4	176	181	185	189	193	198	202	207	212	217	222
31.6	179	183	187	192	196	201	205	210	215	220	225
31.8	181	185	190	194	199	203	208	213	218	223	228
32.0	184	188	192	197	201	206	211	216	221	226	231
32.2	186	191	195	199	204	209	214	219	224	229	234
32.4	189	193	198	202	207	212	217	222	227	232	237
32.6	191	196	200	205	210	215	220	225	230	235	240
32.8	194	198	203	208	213	217	222	227	232	237	242
33.0	196	201	206	210	215	220	225	230	235	240	244
33.2	199	204	208	213	218	223	229	234	239	245	251
33.4	202	206	211	216	221	226	232	237	242	248	254
33.6	204	209	214	219	224	229	235	240	245	251	257
33.8	207	212	217	222	227	232	238	243	249	255	261
34.0	210	215	220	225	230	236	241	247	252	258	264
34.2	213	218	223	228	233	239	244	250	256	262	268
34.4	216	221	226	231	236	242	248	253	259	265	271
34.6	219	224	229	234	239	245	251	257	263	269	275
34.8	221	227	232	237	243	248	254	260	266	272	278
35.0	224	230	235	240	246	252	258	264	270	276	282

TABLE A-1 CONTINUED

TEMP DEG C	6.30	6.31	6.32	6.33	6.34	PH 6.35	6.36	6.37	6.38	6.39	6.40
35.0	224	230	235	240	246	252	258	264	270	276	282
35.2	227	233	238	244	249	255	261	267	273	279	286
35.4	230	236	241	247	253	258	264	270	277	283	290
35.6	233	239	244	250	256	262	268	274	280	287	294
35.8	237	242	248	253	259	265	271	277	284	291	298
36.0	240	245	251	257	263	269	275	281	288	295	301
36.2	243	248	254	260	266	272	279	285	292	299	305
36.4	246	252	258	264	270	276	282	289	296	302	309
36.6	249	255	261	267	273	279	286	293	299	306	314
36.8	253	258	264	271	278	283	290	297	303	310	318
37.0	256	262	268	274	280	287	294	300	307	315	322
37.2	259	265	271	278	284	291	297	304	311	319	326
37.4	263	269	275	281	288	295	301	308	316	323	330
37.6	266	272	278	285	292	298	305	312	320	327	335
37.8	269	276	282	289	295	302	310	317	324	331	339
38.0	273	279	286	292	299	306	313	321	328	336	343
38.2	277	283	290	296	303	310	317	325	332	340	348
38.4	280	287	293	300	307	314	321	329	337	344	352
38.6	284	290	297	304	311	318	326	333	341	349	357
38.8	287	294	301	308	315	322	330	338	345	353	360
39.0	291	298	305	312	319	327	334	342	350	358	366
39.2	295	302	309	316	323	331	338	346	354	363	371
39.4	299	306	313	320	327	335	343	351	359	367	376
39.6	303	310	317	324	332	339	347	355	364	372	381
39.8	306	314	321	328	336	344	352	360	368	377	386
40.0	310	318	325	333	340	348	356	365	373	382	391

TABLE A-1 CONTINUED

TEMP DEG C	6.40	6.41	6.42	6.43	6.44	PH 6.45	6.46	6.47	6.48	6.49	6.50
0	.0208	.0212	.0217	.0222	.0226	.0231	.0238	.0244	.0250	.0255	.0261
.2	.0211	.0216	.0221	.0226	.0230	.0235	.0242	.0247	.0254	.0260	.0266
.4	.0215	.0220	.0225	.0230	.0234	.0240	.0247	.0252	.0258	.0264	.0270
.6	.0218	.0223	.0228	.0233	.0237	.0243	.0250	.0255	.0261	.0267	.0273
.8	.0222	.0227	.0232	.0237	.0241	.0247	.0254	.0259	.0265	.0271	.0278
1.0	.0226	.0231	.0236	.0241	.0245	.0251	.0258	.0263	.0269	.0275	.0282
1.2	.0230	.0235	.0240	.0245	.0250	.0256	.0262	.0268	.0274	.0281	.0287
1.4	.0233	.0238	.0244	.0249	.0254	.0260	.0266	.0272	.0278	.0285	.0291
1.6	.0237	.0242	.0247	.0252	.0257	.0263	.0269	.0275	.0281	.0287	.0294
1.8	.0241	.0246	.0251	.0256	.0261	.0267	.0273	.0278	.0284	.0290	.0297
2.0	.0245	.0250	.0255	.0260	.0265	.0271	.0277	.0282	.0288	.0295	.0302
2.2	.0250	.0255	.0261	.0266	.0271	.0277	.0283	.0288	.0294	.0300	.0307
2.4	.0254	.0259	.0264	.0269	.0274	.0280	.0286	.0291	.0297	.0303	.0310
2.6	.0258	.0263	.0268	.0273	.0278	.0284	.0290	.0295	.0301	.0307	.0314
2.8	.0262	.0267	.0272	.0277	.0282	.0288	.0294	.0299	.0305	.0311	.0317
3.0	.0266	.0271	.0276	.0281	.0286	.0292	.0299	.0304	.0310	.0315	.0321
3.2	.0270	.0275	.0280	.0285	.0290	.0296	.0302	.0307	.0313	.0318	.0324
3.4	.0274	.0279	.0284	.0289	.0294	.0300	.0306	.0311	.0317	.0322	.0328
3.6	.0278	.0283	.0288	.0293	.0298	.0304	.0310	.0315	.0320	.0325	.0331
3.8	.0282	.0287	.0292	.0297	.0302	.0308	.0314	.0319	.0324	.0329	.0335
4.0	.0286	.0291	.0296	.0301	.0306	.0312	.0317	.0322	.0327	.0332	.0338
4.2	.0290	.0295	.0300	.0305	.0310	.0315	.0320	.0325	.0330	.0335	.0341
4.4	.0294	.0299	.0304	.0309	.0314	.0319	.0324	.0329	.0334	.0339	.0345
4.6	.0298	.0303	.0308	.0313	.0318	.0323	.0328	.0333	.0338	.0343	.0348
4.8	.0302	.0307	.0312	.0317	.0322	.0327	.0332	.0337	.0342	.0347	.0352
5.0	.0306	.0311	.0316	.0321	.0326	.0331	.0336	.0341	.0346	.0351	.0356
5.2	.0310	.0315	.0320	.0325	.0330	.0335	.0340	.0345	.0350	.0355	.0360
5.4	.0314	.0319	.0324	.0329	.0334	.0339	.0344	.0349	.0354	.0359	.0364
5.6	.0318	.0323	.0328	.0333	.0338	.0343	.0348	.0353	.0358	.0363	.0368
5.8	.0322	.0327	.0332	.0337	.0342	.0347	.0352	.0357	.0362	.0367	.0372
6.0	.0326	.0331	.0336	.0341	.0346	.0351	.0356	.0361	.0366	.0371	.0376
6.2	.0330	.0335	.0340	.0345	.0350	.0355	.0360	.0365	.0370	.0375	.0380
6.4	.0334	.0339	.0344	.0349	.0354	.0359	.0364	.0369	.0374	.0379	.0384
6.6	.0338	.0343	.0348	.0353	.0358	.0363	.0368	.0373	.0378	.0383	.0388
6.8	.0342	.0347	.0352	.0357	.0362	.0367	.0372	.0377	.0382	.0387	.0392
7.0	.0346	.0351	.0356	.0361	.0366	.0371	.0376	.0381	.0386	.0391	.0396
7.2	.0350	.0355	.0360	.0365	.0370	.0375	.0380	.0385	.0390	.0395	.0400
7.4	.0354	.0359	.0364	.0369	.0374	.0379	.0384	.0389	.0394	.0399	.0404
7.6	.0358	.0363	.0368	.0373	.0378	.0383	.0388	.0393	.0398	.0403	.0408
7.8	.0362	.0367	.0372	.0377	.0382	.0387	.0392	.0397	.0402	.0407	.0412
8.0	.0366	.0371	.0376	.0381	.0386	.0391	.0396	.0401	.0406	.0411	.0416
8.2	.0370	.0375	.0380	.0385	.0390	.0395	.0400	.0405	.0410	.0415	.0420
8.4	.0374	.0379	.0384	.0389	.0394	.0399	.0404	.0409	.0414	.0419	.0424
8.6	.0378	.0383	.0388	.0393	.0398	.0403	.0408	.0413	.0418	.0423	.0428
8.8	.0382	.0387	.0392	.0397	.0402	.0407	.0412	.0417	.0422	.0427	.0432
9.0	.0386	.0391	.0396	.0401	.0406	.0411	.0416	.0421	.0426	.0431	.0436
9.2	.0390	.0395	.0400	.0405	.0410	.0415	.0420	.0425	.0430	.0435	.0440
9.4	.0394	.0399	.0404	.0409	.0414	.0419	.0424	.0429	.0434	.0439	.0444
9.6	.0398	.0403	.0408	.0413	.0418	.0423	.0428	.0433	.0438	.0443	.0448
9.8	.0402	.0407	.0412	.0417	.0422	.0427	.0432	.0437	.0442	.0447	.0452
10.0	.0406	.0411	.0416	.0421	.0426	.0431	.0436	.0441	.0446	.0451	.0456

TABLE A-1 CONTINUED

TEMP DEG C	6.40	6.41	6.42	6.43	6.44	6.45	6.46	6.47	6.48	6.49	6.50
7.0	.0369	.0377	.0386	.0395	.0404	.0414	.0423	.0433	.0443	.0454	.0464
7.2	.0375	.0384	.0392	.0402	.0411	.0420	.0430	.0440	.0451	.0461	.0472
7.4	.0381	.0390	.0399	.0408	.0418	.0427	.0437	.0447	.0457	.0467	.0477
7.6	.0387	.0396	.0405	.0415	.0424	.0434	.0444	.0455	.0465	.0476	.0487
7.8	.0393	.0402	.0412	.0421	.0431	.0441	.0451	.0462	.0473	.0484	.0495
8.0	.0399	.0409	.0418	.0428	.0438	.0448	.0459	.0469	.0480	.0491	.0503
8.2	.0406	.0415	.0425	.0435	.0445	.0455	.0466	.0477	.0488	.0499	.0511
8.4	.0412	.0422	.0432	.0442	.0452	.0463	.0473	.0484	.0496	.0507	.0519
8.6	.0419	.0429	.0439	.0449	.0459	.0470	.0481	.0492	.0504	.0515	.0527
8.8	.0426	.0435	.0446	.0456	.0467	.0477	.0489	.0500	.0512	.0524	.0536
9.0	.0432	.0442	.0453	.0463	.0474	.0485	.0496	.0508	.0520	.0532	.0544
9.2	.0439	.0449	.0460	.0471	.0482	.0493	.0504	.0516	.0528	.0540	.0552
9.4	.0446	.0457	.0467	.0478	.0489	.0501	.0512	.0524	.0536	.0549	.0561
9.6	.0453	.0464	.0475	.0486	.0497	.0509	.0520	.0532	.0545	.0558	.0571
9.8	.0460	.0471	.0482	.0493	.0505	.0517	.0529	.0541	.0554	.0568	.0580
10.0	.0468	.0479	.0490	.0501	.0513	.0525	.0537	.0549	.0562	.0575	.0589
10.2	.0475	.0486	.0497	.0509	.0521	.0533	.0545	.0558	.0571	.0584	.0598
10.4	.0483	.0494	.0505	.0517	.0529	.0541	.0554	.0567	.0580	.0594	.0607
10.6	.0490	.0502	.0513	.0525	.0537	.0550	.0563	.0576	.0589	.0603	.0617
10.8	.0498	.0509	.0521	.0533	.0546	.0559	.0572	.0585	.0599	.0612	.0627
11.0	.0506	.0517	.0529	.0542	.0554	.0567	.0581	.0594	.0608	.0622	.0637
11.2	.0514	.0526	.0538	.0550	.0563	.0576	.0590	.0603	.0617	.0632	.0646
11.4	.0522	.0534	.0546	.0559	.0572	.0585	.0599	.0613	.0627	.0642	.0657
11.6	.0530	.0542	.0555	.0568	.0581	.0594	.0608	.0622	.0637	.0652	.0667
11.8	.0538	.0551	.0563	.0576	.0590	.0604	.0618	.0632	.0647	.0662	.0677
12.0	.0546	.0559	.0572	.0585	.0599	.0613	.0627	.0642	.0657	.0672	.0688
12.2	.0555	.0568	.0581	.0595	.0608	.0623	.0637	.0652	.0667	.0683	.0698
12.4	.0564	.0577	.0590	.0604	.0618	.0632	.0647	.0662	.0677	.0693	.0709
12.6	.0572	.0586	.0599	.0613	.0627	.0642	.0657	.0672	.0688	.0704	.0720
12.8	.0581	.0595	.0609	.0623	.0637	.0652	.0667	.0683	.0699	.0715	.0731
13.0	.0590	.0604	.0618	.0632	.0647	.0662	.0677	.0693	.0709	.0726	.0743
13.2	.0599	.0613	.0627	.0642	.0657	.0672	.0688	.0704	.0720	.0737	.0754
13.4	.0608	.0623	.0637	.0652	.0667	.0683	.0699	.0715	.0731	.0748	.0766
13.6	.0618	.0632	.0647	.0662	.0677	.0693	.0709	.0726	.0743	.0760	.0778
13.8	.0627	.0642	.0657	.0672	.0688	.0704	.0720	.0737	.0754	.0772	.0790
14.0	.0637	.0652	.0667	.0683	.0699	.0715	.0731	.0748	.0766	.0784	.0802

TABLE A-1 CONTINUED

TEMP DEG C	6.40	6.41	6.42	6.43	6.44	PH 6.45	6.46	6.47	6.48	6.49	6.50
14.0	.0637	.0652	.0667	.0683	.0698	.0715	.0731	.0748	.0766	.0784	.0802
14.4	.0647	.0662	.0677	.0693	.0709	.0726	.0742	.0760	.0777	.0796	.0814
14.8	.0657	.0672	.0688	.0704	.0721	.0738	.0754	.0771	.0789	.0808	.0825
15.0	.0667	.0682	.0698	.0714	.0731	.0748	.0765	.0783	.0801	.0820	.0839
15.4	.0677	.0693	.0709	.0725	.0742	.0759	.0777	.0795	.0814	.0833	.0852
15.8	.0687	.0703	.0720	.0736	.0753	.0771	.0789	.0807	.0826	.0845	.0865
16.2	.0698	.0714	.0731	.0748	.0765	.0783	.0801	.0820	.0839	.0858	.0878
16.6	.0708	.0725	.0742	.0759	.0777	.0795	.0813	.0832	.0851	.0871	.0891
17.0	.0719	.0736	.0753	.0770	.0788	.0807	.0825	.0845	.0864	.0884	.0905
17.4	.0730	.0747	.0764	.0782	.0800	.0819	.0838	.0857	.0877	.0898	.0919
17.8	.0741	.0758	.0776	.0794	.0812	.0831	.0851	.0870	.0891	.0911	.0933
18.2	.0752	.0770	.0788	.0806	.0825	.0844	.0864	.0884	.0904	.0925	.0947
18.6	.0764	.0781	.0799	.0818	.0837	.0857	.0877	.0897	.0918	.0939	.0961
19.0	.0775	.0793	.0812	.0830	.0850	.0870	.0890	.0910	.0932	.0953	.0976
19.4	.0787	.0805	.0824	.0843	.0863	.0883	.0903	.0924	.0946	.0968	.0990
19.8	.0799	.0817	.0836	.0856	.0876	.0896	.0917	.0938	.0960	.0982	.1005
20.2	.0811	.0829	.0849	.0868	.0889	.0909	.0931	.0952	.0974	.0997	.1020
20.6	.0823	.0842	.0861	.0881	.0902	.0923	.0944	.0966	.0989	.1012	.1035
21.0	.0835	.0854	.0874	.0895	.0915	.0937	.0959	.0981	.1004	.1027	.1051
21.4	.0847	.0867	.0887	.0908	.0929	.0951	.0973	.0996	.1019	.1042	.1067
21.8	.0860	.0880	.0901	.0922	.0943	.0965	.0987	.1010	.1034	.1058	.1083
22.2	.0873	.0893	.0914	.0935	.0957	.0979	.1002	.1025	.1049	.1074	.1099
22.6	.0886	.0907	.0928	.0949	.0971	.0994	.1017	.1041	.1065	.1090	.1115
23.0	.0899	.0920	.0941	.0963	.0986	.1009	.1032	.1056	.1081	.1106	.1132
23.4	.0912	.0934	.0955	.0978	.1000	.1024	.1048	.1072	.1097	.1122	.1148
23.8	.0926	.0948	.0970	.0992	.1015	.1039	.1063	.1088	.1113	.1139	.1166
24.2	.0940	.0962	.0984	.1007	.1030	.1054	.1079	.1104	.1130	.1156	.1183
24.6	.0954	.0976	.0999	.1022	.1046	.1070	.1095	.1120	.1146	.1173	.1200
25.0	.0968	.0990	.1013	.1037	.1061	.1086	.1111	.1137	.1163	.1190	.1218
25.4	.0982	.1005	.1028	.1052	.1077	.1102	.1127	.1154	.1180	.1208	.1236
25.8	.0996	.1020	.1043	.1068	.1093	.1118	.1144	.1170	.1198	.1226	.1254
26.2	.1010	.1035	.1060	.1085	.1110	.1136	.1162	.1189	.1216	.1244	.1272
26.6	.1024	.1050	.1075	.1101	.1127	.1153	.1180	.1207	.1234	.1262	.1290
27.0	.1038	.1065	.1091	.1118	.1145	.1172	.1200	.1227	.1255	.1283	.1311
27.4	.1052	.1080	.1107	.1135	.1163	.1191	.1219	.1247	.1276	.1304	.1333
27.8	.1066	.1095	.1123	.1151	.1179	.1208	.1237	.1266	.1295	.1324	.1353
28.2	.1080	.1110	.1139	.1168	.1197	.1227	.1257	.1287	.1317	.1347	.1377
28.6	.1094	.1125	.1155	.1185	.1215	.1246	.1276	.1307	.1338	.1369	.1400
29.0	.1108	.1140	.1171	.1202	.1233	.1264	.1295	.1326	.1358	.1389	.1421
29.4	.1122	.1155	.1187	.1219	.1251	.1283	.1315	.1347	.1380	.1412	.1445
29.8	.1136	.1170	.1203	.1236	.1269	.1302	.1335	.1368	.1402	.1435	.1469
30.2	.1150	.1185	.1219	.1253	.1287	.1321	.1355	.1389	.1424	.1458	.1493
30.6	.1164	.1200	.1234	.1268	.1302	.1336	.1371	.1405	.1440	.1475	.1510
31.0	.1178	.1215	.1249	.1283	.1317	.1351	.1386	.1420	.1455	.1490	.1525

TABLE A-1 CONTINUED

TABLE PAGE 88

TEMP DEG C	6.40	6.41	6.42	6.43	6.44	PH 6.45	6.46	6.47	6.48	6.49	6.50
21.0	107	110	114	115	117	120	123	126	129	132	135
21.2	109	111	116	118	120	124	127	130	131	134	137
21.4	110	113	117	120	123	126	129	132	135	138	141
21.6	111	115	119	122	126	129	132	135	138	140	143
21.8	112	116	121	123	126	129	132	135	138	140	143
22.0	115	118	121	123	126	129	132	135	138	140	143
22.2	117	120	124	127	130	133	136	139	140	144	147
22.4	119	121	126	129	132	135	138	141	143	146	149
22.6	120	123	128	131	134	137	140	143	145	148	151
22.8	122	125	130	133	136	139	142	145	147	150	153
23.0	124	127	133	135	138	141	144	147	150	152	155
23.2	126	128	135	137	140	143	146	149	153	157	160
23.4	127	130	137	140	144	147	150	154	158	163	167
23.6	129	132	139	142	146	149	153	157	161	166	170
23.8	131	134	141	144	148	151	155	159	164	168	172
24.0	133	136	143	147	150	154	157	161	166	171	175
24.2	135	138	145	149	152	156	159	163	168	173	177
24.4	137	140	147	151	154	158	161	165	170	175	180
24.6	139	142	149	153	156	160	163	167	172	177	182
24.8	141	144	151	155	158	162	165	169	174	179	185
25.0	143	146	153	157	160	164	167	171	176	181	187
25.2	145	148	155	159	162	166	169	173	178	183	189
25.4	147	150	157	161	164	168	171	175	180	185	191
25.6	149	152	159	163	166	170	173	177	182	187	193
25.8	151	154	160	164	168	172	176	180	185	190	196
26.0	153	157	163	167	170	174	178	182	187	192	198
26.2	155	159	165	169	173	177	181	185	189	194	200
26.4	157	161	167	171	175	179	183	187	191	196	202
26.6	159	163	169	173	177	181	185	189	193	198	204
26.8	161	165	171	175	179	183	187	191	195	200	206
27.0	163	167	173	177	181	185	189	193	197	202	208
27.2	165	169	175	179	183	187	191	195	200	205	211
27.4	167	171	177	181	185	189	193	197	201	206	212
27.6	169	173	179	183	187	191	195	199	203	208	214
27.8	171	175	181	185	189	193	197	201	205	210	216
28.0	173	177	183	187	191	195	199	203	207	212	218

TABLE A-1 CONTINUED

TABLE PAGE 89

TEMP DEG C	6.40	6.41	6.42	6.43	6.44	PH 6.45	6.46	6.47	6.48	6.49	6.50
28.0	176	180	184	188	193	197	205	207	211	216	221
28.2	178	183	187	191	196	200	205	210	214	219	224
28.4	181	185	189	194	198	203	208	212	217	221	226
28.6	183	188	192	196	201	206	210	215	220	224	229
28.8	186	190	195	199	204	209	213	218	223	227	232
29.0	188	193	197	202	207	211	216	221	227	232	237
29.2	191	196	200	205	209	214	219	224	230	235	240
29.4	194	198	203	208	212	217	222	228	233	238	244
29.6	196	201	206	210	215	220	225	231	236	241	247
29.8	199	204	208	213	218	223	229	234	239	245	251
30.0	202	207	211	216	221	226	232	237	243	248	254
30.2	205	209	214	219	224	229	235	240	246	252	257
30.4	207	212	217	222	227	233	238	244	249	255	261
30.6	210	215	220	225	231	236	241	247	253	259	265
30.8	213	218	223	228	234	239	245	251	257	263	269
31.0	216	221	226	231	237	242	248	254	260	266	272
31.2	219	224	229	235	240	246	251	257	263	269	275
31.4	222	227	232	238	243	249	255	261	267	273	279
31.6	225	230	236	241	247	252	258	264	270	277	283
31.8	228	233	239	244	250	255	261	267	273	280	287
32.0	231	237	242	248	253	259	265	271	277	284	291
32.2	234	240	245	251	257	263	269	275	281	288	295
32.4	237	243	249	254	260	266	272	278	285	292	299
32.6	241	246	252	258	264	270	276	282	289	296	303
32.8	244	250	255	261	267	273	279	285	292	300	307
33.0	247	253	259	265	271	277	284	290	297	304	311
33.2	251	256	262	268	275	281	288	294	301	308	315
33.4	254	260	266	272	278	285	291	298	305	312	319
33.6	257	263	269	275	282	289	295	302	309	316	324
33.8	261	267	273	279	286	292	300	306	313	321	328
34.0	264	270	277	283	290	296	303	310	317	325	332
34.2	268	274	280	287	294	300	307	314	321	329	337
34.4	271	278	284	291	297	304	311	319	326	334	341
34.6	275	281	288	295	301	308	316	323	330	338	346
34.8	279	285	292	299	305	312	320	327	335	343	351
35.0	282	289	296	302	309	317	324	332	339	347	355

TABLE A-1 CONTINUED

TABLE PAGE 90

TEMP DEG C	6.40	6.41	6.42	6.43	6.44	PH 6.45	6.46	6.47	6.48	6.49	6.50
35.0	282	289	296	302	309	317	324	332	339	347	355
35.2	286	293	299	306	314	321	328	336	344	352	360
35.4	290	297	303	311	318	325	333	340	348	356	365
35.6	294	300	307	315	322	329	337	345	353	361	369
35.8	298	304	312	319	326	333	341	349	358	366	374
36.0	301	308	316	323	330	338	346	354	362	371	379
36.2	305	313	320	327	335	343	351	359	367	376	384
36.4	309	317	324	332	339	347	355	363	372	380	389
36.6	314	321	328	336	344	352	360	368	377	385	394
36.8	318	325	333	340	348	356	365	373	382	391	400
37.0	322	329	337	345	353	361	369	378	387	396	405
37.2	326	334	341	349	357	366	374	383	392	401	410
37.4	330	338	346	354	362	370	379	388	397	406	415
37.6	335	342	350	358	367	375	384	393	402	411	421
37.8	339	347	355	363	372	380	389	398	407	417	426
38.0	343	351	360	368	376	385	394	403	413	422	432
38.2	348	356	364	373	381	390	399	408	418	428	438
38.4	352	361	369	378	386	395	404	414	423	433	443
38.6	357	365	374	382	391	400	410	419	429	439	449
38.8	362	370	379	387	396	406	415	425	434	444	455
39.0	366	375	383	392	401	411	420	430	440	450	461
39.2	371	380	388	397	407	416	426	436	446	456	467
39.4	376	385	393	403	412	421	431	441	451	462	473
39.6	381	389	399	408	417	427	437	447	457	468	479
40.0	391	394	404	413	422	433	442	453	463	474	485
	391	390	409	418	428	438	448	458	469	480	491

TABLE A-1 CONTINUED

TEMP DEG C	6.50	6.51	6.52	6.53	6.54	PH 6.55	6.56	6.57	6.58	6.59	6.60
0	.0261	.0267	.0274	.0280	.0287	.0293	.0300	.0307	.0314	.0322	.0329
.2	.0266	.0272	.0278	.0285	.0291	.0298	.0305	.0312	.0319	.0327	.0335
.4	.0270	.0277	.0283	.0290	.0296	.0303	.0310	.0317	.0324	.0331	.0338
.6	.0275	.0281	.0288	.0295	.0301	.0308	.0316	.0323	.0330	.0337	.0344
.8	.0280	.0286	.0293	.0300	.0307	.0314	.0321	.0328	.0335	.0342	.0349
1.0	.0284	.0291	.0298	.0305	.0312	.0319	.0326	.0333	.0340	.0347	.0354
1.2	.0289	.0296	.0303	.0310	.0317	.0324	.0332	.0340	.0348	.0356	.0364
1.4	.0294	.0301	.0308	.0315	.0322	.0330	.0337	.0345	.0353	.0362	.0370
1.6	.0299	.0306	.0313	.0320	.0328	.0335	.0343	.0351	.0359	.0368	.0376
1.8	.0304	.0311	.0318	.0326	.0333	.0341	.0349	.0357	.0365	.0374	.0383
2.0	.0309	.0316	.0324	.0331	.0339	.0347	.0355	.0363	.0371	.0380	.0389
2.2	.0314	.0321	.0329	.0337	.0344	.0352	.0361	.0369	.0378	.0386	.0395
2.4	.0319	.0327	.0334	.0342	.0350	.0358	.0367	.0375	.0384	.0393	.0402
2.6	.0325	.0332	.0340	.0348	.0356	.0364	.0373	.0381	.0390	.0399	.0409
2.8	.0330	.0338	.0346	.0354	.0362	.0370	.0379	.0388	.0397	.0406	.0416
3.0	.0336	.0343	.0351	.0360	.0368	.0377	.0385	.0394	.0403	.0413	.0422
3.2	.0341	.0349	.0357	.0366	.0374	.0383	.0392	.0401	.0410	.0420	.0429
3.4	.0347	.0355	.0363	.0372	.0380	.0389	.0398	.0407	.0417	.0427	.0437
3.6	.0353	.0361	.0369	.0378	.0387	.0396	.0405	.0414	.0424	.0434	.0444
3.8	.0358	.0367	.0375	.0384	.0393	.0402	.0411	.0421	.0431	.0441	.0451
4.0	.0364	.0373	.0381	.0390	.0399	.0409	.0418	.0428	.0438	.0448	.0459
4.2	.0370	.0379	.0388	.0397	.0406	.0415	.0425	.0435	.0445	.0455	.0466
4.4	.0376	.0385	.0394	.0403	.0413	.0422	.0432	.0442	.0452	.0463	.0474
4.6	.0383	.0391	.0401	.0410	.0419	.0429	.0439	.0449	.0459	.0470	.0482
4.8	.0389	.0398	.0407	.0417	.0426	.0436	.0446	.0457	.0467	.0478	.0489
5.0	.0395	.0404	.0414	.0423	.0433	.0443	.0454	.0464	.0475	.0486	.0497
5.2	.0402	.0411	.0421	.0430	.0440	.0451	.0461	.0472	.0483	.0494	.0506
5.4	.0408	.0418	.0427	.0437	.0448	.0458	.0469	.0480	.0491	.0502	.0514
5.6	.0415	.0425	.0434	.0445	.0455	.0465	.0476	.0487	.0499	.0510	.0522
5.8	.0422	.0431	.0441	.0452	.0462	.0473	.0484	.0495	.0507	.0519	.0531
6.0	.0428	.0438	.0449	.0459	.0470	.0481	.0492	.0503	.0515	.0527	.0539
6.2	.0435	.0446	.0456	.0467	.0477	.0489	.0500	.0512	.0523	.0536	.0549
6.4	.0442	.0453	.0463	.0474	.0485	.0496	.0508	.0520	.0532	.0544	.0557
6.6	.0450	.0460	.0471	.0482	.0493	.0504	.0516	.0528	.0541	.0553	.0566
6.8	.0457	.0468	.0478	.0490	.0501	.0513	.0525	.0537	.0549	.0562	.0575
7.0	.0464	.0475	.0486	.0497	.0509	.0521	.0533	.0545	.0558	.0571	.0584

TABLE A-1 CONTINUED

TABLE PAGE 92

TEMP DEG C	6.50	6.51	6.52	6.53	6.54	6.55	PH	6.56	6.57	6.58	6.59	6.60
7.0	.0464	.0475	.0486	.0497	.0509	.0521		.0533	.0545	.0558	.0571	.0584
7.2	.0472	.0483	.0494	.0506	.0517	.0529		.0542	.0554	.0567	.0580	.0594
7.4	.0479	.0491	.0502	.0514	.0526	.0538		.0550	.0562	.0576	.0590	.0603
7.6	.0487	.0498	.0510	.0522	.0534	.0546		.0559	.0572	.0586	.0599	.0613
7.8	.0495	.0506	.0518	.0530	.0543	.0555		.0568	.0581	.0595	.0609	.0623
8.0	.0503	.0515	.0527	.0539	.0551	.0564		.0577	.0591	.0604	.0619	.0633
8.2	.0511	.0523	.0535	.0547	.0560	.0573		.0587	.0600	.0614	.0628	.0643
8.4	.0519	.0531	.0543	.0556	.0569	.0582		.0596	.0610	.0624	.0638	.0653
8.6	.0527	.0540	.0552	.0565	.0578	.0592		.0605	.0619	.0634	.0649	.0664
8.8	.0536	.0548	.0561	.0574	.0587	.0601		.0615	.0629	.0644	.0659	.0674
9.0	.0544	.0557	.0570	.0583	.0597	.0611		.0625	.0639	.0654	.0669	.0685
9.2	.0553	.0566	.0579	.0592	.0606	.0620		.0635	.0650	.0665	.0680	.0696
9.4	.0562	.0575	.0588	.0602	.0616	.0630		.0645	.0660	.0675	.0691	.0707
9.6	.0571	.0584	.0597	.0611	.0625	.0640		.0655	.0670	.0686	.0702	.0718
9.8	.0580	.0593	.0607	.0621	.0635	.0650		.0665	.0681	.0697	.0713	.0730
10.0	.0589	.0602	.0616	.0631	.0646	.0661		.0676	.0692	.0708	.0724	.0741
10.2	.0598	.0612	.0626	.0641	.0656	.0671		.0687	.0703	.0719	.0736	.0753
10.4	.0607	.0622	.0636	.0651	.0666	.0682		.0697	.0714	.0730	.0747	.0765
10.6	.0617	.0631	.0646	.0661	.0676	.0692		.0708	.0725	.0742	.0759	.0777
10.8	.0627	.0641	.0656	.0671	.0687	.0703		.0719	.0736	.0753	.0771	.0789
11.0	.0637	.0651	.0667	.0682	.0698	.0714		.0731	.0748	.0765	.0783	.0801
11.2	.0646	.0662	.0677	.0693	.0709	.0725		.0742	.0759	.0777	.0795	.0814
11.4	.0657	.0672	.0688	.0704	.0720	.0737		.0754	.0771	.0789	.0808	.0826
11.6	.0667	.0682	.0699	.0715	.0731	.0748		.0766	.0783	.0802	.0820	.0839
11.8	.0677	.0693	.0709	.0726	.0743	.0760		.0778	.0796	.0814	.0833	.0852
12.0	.0688	.0704	.0720	.0737	.0754	.0772		.0790	.0808	.0827	.0846	.0866
12.2	.0698	.0715	.0731	.0748	.0766	.0784		.0802	.0821	.0840	.0859	.0879
12.4	.0709	.0726	.0743	.0760	.0778	.0796		.0814	.0833	.0853	.0873	.0893
12.6	.0720	.0737	.0754	.0772	.0790	.0808		.0827	.0846	.0866	.0886	.0907
12.8	.0731	.0749	.0766	.0784	.0802	.0821		.0840	.0859	.0879	.0899	.0921
13.0	.0743	.0760	.0778	.0796	.0814	.0833		.0853	.0873	.0893	.0914	.0935
13.2	.0754	.0772	.0790	.0808	.0827	.0846		.0866	.0886	.0907	.0928	.0949
13.4	.0766	.0784	.0802	.0821	.0840	.0859		.0879	.0899	.0921	.0942	.0964
13.6	.0778	.0796	.0814	.0833	.0853	.0873		.0893	.0914	.0935	.0957	.0979
13.8	.0790	.0808	.0827	.0846	.0866	.0886		.0907	.0928	.0949	.0971	.0994
14.0	.0802	.0820	.0840	.0859	.0879	.0899		.0920	.0942	.0964	.0986	.1009

TABLE A-1 CONTINUED

TABLE PAGE 93

TEMP DEG C	6.50	6.51	6.52	6.53	6.54	PH 6.55	6.56	6.57	6.58	6.59	6.60
14.0	0802	0820	0840	0859	0879	0900	0920	0942	0964	0986	1009
14.2	0814	0833	0852	0872	0893	0913	0935	0956	0979	1001	1025
14.4	0827	0846	0865	0886	0906	0927	0949	0971	0994	1017	1040
14.6	0839	0859	0879	0899	0920	0941	0963	0986	1009	1032	1056
14.8	0852	0872	0892	0913	0934	0956	0978	1001	1024	1048	1072
15.0	0865	0885	0906	0927	0948	0970	0993	1016	1040	1064	1089
15.2	0878	0899	0919	0941	0963	0985	1008	1032	1056	1080	1105
15.4	0891	0912	0933	0955	0977	1000	1023	1047	1072	1097	1123
15.6	0905	0926	0948	0970	0992	1015	1039	1063	1088	1113	1139
15.8	0919	0940	0962	0984	1007	1031	1055	1079	1104	1129	1156
16.0	0933	0954	0977	0999	1023	1046	1071	1096	1121	1147	1174
16.2	0947	0969	0991	1014	1038	1062	1087	1112	1137	1163	1190
16.4	0961	0983	1006	1030	1054	1079	1103	1128	1153	1179	1208
16.6	0976	0998	1021	1045	1069	1094	1118	1143	1168	1194	1224
16.8	0990	1013	1037	1061	1086	1111	1135	1160	1185	1211	1242
17.0	1004	1027	1051	1076	1100	1125	1150	1175	1200	1226	1258
17.2	1018	1041	1065	1090	1114	1139	1164	1189	1214	1240	128
17.4	1032	1055	1079	1104	1128	1153	1178	1203	1228	1254	1302
17.6	1046	1069	1093	1118	1142	1167	1192	1217	1242	1268	1324
17.8	1060	1083	1107	1132	1156	1181	1206	1231	1256	1282	1346
18.0	1074	1097	1121	1146	1170	1195	1220	1245	1270	1296	1360
18.2	1088	1111	1135	1160	1184	1209	1234	1259	1284	1310	1384
18.4	1102	1125	1149	1174	1198	1223	1248	1273	1298	1324	1408
18.6	1116	1139	1163	1188	1212	1237	1262	1287	1312	1338	1422
18.8	1130	1153	1177	1202	1226	1251	1276	1301	1326	1352	1446
19.0	1144	1167	1191	1216	1240	1265	1290	1315	1340	1366	1460
19.2	1158	1181	1205	1230	1254	1279	1304	1329	1354	1380	1474
19.4	1172	1195	1219	1244	1268	1293	1318	1343	1368	1394	1488
19.6	1186	1209	1233	1258	1282	1307	1332	1357	1382	1408	1502
19.8	1200	1223	1247	1272	1296	1321	1346	1371	1396	1422	1516
20.0	1214	1237	1261	1286	1310	1335	1360	1385	1410	1436	1530
20.2	1228	1251	1275	1300	1324	1349	1374	1399	1424	1450	1544
20.4	1242	1265	1289	1314	1338	1363	1388	1413	1438	1464	1558
20.6	1256	1279	1303	1328	1352	1377	1402	1427	1452	1478	1572
20.8	1270	1293	1317	1342	1366	1391	1416	1441	1466	1492	1586
21.0	1284	1307	1331	1356	1380	1405	1430	1455	1480	1506	1600

TABLE A-1 CONTINUED

TEMP DEG C	6.50	6.51	6.52	6.53	6.54	PH 6.55	6.56	6.57	6.58	6.59	6.60
21.0	135	138	141	145	148	154	157	158	162	166	170
21.2	137	140	143	147	150	156	159	160	164	168	172
21.4	139	142	145	149	152	158	161	162	166	170	174
21.6	141	144	147	151	154	160	163	164	168	172	176
21.8	143	146	149	153	156	162	165	166	170	174	178
22.0	145	148	151	155	158	164	167	168	172	176	180
22.2	147	150	153	157	160	166	169	170	174	178	182
22.4	149	152	155	159	162	168	171	172	176	180	184
22.6	151	154	157	161	164	170	173	174	178	182	186
22.8	153	156	159	163	166	172	175	176	180	184	188
23.0	155	158	161	165	168	174	177	178	182	186	190
23.2	157	160	163	167	170	176	179	180	184	188	192
23.4	159	162	165	169	172	178	181	182	186	190	194
23.6	161	164	167	171	174	180	183	184	188	192	196
23.8	163	166	169	173	176	182	185	186	190	194	198
24.0	165	168	171	175	178	184	187	188	192	196	200
24.2	167	170	173	177	180	186	189	190	194	198	202
24.4	169	172	175	179	182	188	191	192	196	200	204
24.6	171	174	177	181	184	190	193	194	198	202	206
24.8	173	176	179	183	186	192	195	196	200	204	208
25.0	175	178	181	185	188	194	197	198	202	206	210
25.2	177	180	183	187	190	196	199	200	204	208	212
25.4	179	182	185	189	192	198	201	202	206	210	214
25.6	181	184	187	191	194	200	203	204	208	212	216
25.8	183	186	189	193	196	202	205	206	210	214	218
26.0	185	188	191	195	198	204	207	208	212	216	220
26.2	187	190	193	197	200	206	209	210	214	218	222
26.4	189	192	195	199	202	208	211	212	216	220	224
26.6	191	194	197	201	204	210	213	214	218	222	226
26.8	193	196	199	203	206	212	215	216	220	224	228
27.0	195	198	201	205	208	214	217	218	222	226	230
27.2	197	200	203	207	210	216	219	220	224	228	232
27.4	199	202	205	209	212	218	221	222	226	230	234
27.6	201	204	207	211	214	220	223	224	228	232	236
27.8	203	206	209	213	216	222	225	226	230	234	238
28.0	205	208	211	215	218	224	227	228	232	236	240

TABLE A-1 CONTINUED

TABLE PAGE 95

TEMP DEG C	6.50	6.51	6.52	6.53	6.54	PH 6.55	6.56	6.57	6.58	6.59	6.60
28.0	221	220	235	237	246	248	254	260	270	276	279
28.2	224	223	238	240	249	252	258	264	273	280	286
28.4	228	227	242	244	253	256	262	267	277	284	290
28.6	231	230	245	247	256	259	265	271	281	288	294
28.8	234	233	248	250	259	262	268	274	284	291	298
29.0	237	246	255	258	267	270	276	282	292	300	307
29.2	240	249	258	261	270	273	279	285	295	303	310
29.4	244	253	262	265	274	277	284	290	300	308	315
29.6	247	256	265	268	277	280	287	293	303	311	318
29.8	251	260	269	272	281	285	291	298	308	316	323
30.0	254	263	272	275	284	289	295	302	312	320	327
30.2	257	266	275	278	287	292	298	305	315	323	330
30.4	261	270	279	282	291	296	302	309	319	327	334
30.6	265	274	283	286	295	300	306	313	323	331	338
30.8	268	277	286	289	298	303	309	316	326	334	341
31.0	272	281	290	293	302	307	313	320	330	338	345
31.2	276	285	294	297	306	311	317	324	334	342	349
31.4	279	288	297	300	309	314	320	327	337	345	352
31.6	283	292	301	304	313	318	324	331	341	349	356
31.8	287	296	305	308	317	322	328	335	345	353	360
32.0	291	300	309	312	321	326	332	339	349	357	364
32.2	295	304	313	316	325	330	336	343	353	361	368
32.4	299	308	317	320	329	334	340	347	357	365	372
32.6	303	312	321	324	333	338	344	351	361	369	376
32.8	307	316	325	328	337	342	348	355	365	373	380
33.0	311	320	329	332	341	346	352	359	369	377	384
33.2	315	324	333	336	345	350	356	363	373	381	388
33.4	319	328	337	340	349	354	360	367	377	385	392
33.6	323	332	341	344	353	358	364	371	381	389	396
33.8	327	336	345	348	357	362	368	375	385	393	400
34.0	331	340	349	352	361	366	372	379	389	397	404
34.2	335	344	353	356	365	370	376	383	393	401	408
34.4	339	348	357	360	369	374	380	387	397	405	412
34.6	343	352	361	364	373	378	384	391	401	409	416
34.8	347	356	365	368	377	382	388	395	405	413	420
35.0	351	360	369	372	381	386	392	399	409	417	424

TABLE A-1 CONTINUED

TEMP DEG C	6.50	6.51	6.52	6.53	6.54	PH 6.55	6.56	6.57	6.58	6.59	6.60
35.0	355	363	372	380	389	398	408	417	427	437	447
35.2	360	368	377	385	394	404	413	422	432	442	452
35.5	365	373	382	391	400	409	418	428	438	448	458
35.8	369	378	387	396	405	414	423	433	443	453	463
36.0	374	383	392	401	410	420	430	440	450	460	471
36.2	384	393	402	411	420	430	440	450	460	470	480
36.4	389	398	407	416	425	435	445	455	465	475	485
36.6	394	403	412	421	430	440	450	460	470	480	490
36.8	400	409	418	427	436	446	456	466	476	486	496
37.0	405	414	423	432	441	451	461	471	481	491	501
37.2	410	419	428	437	446	456	466	476	486	496	506
37.4	421	430	439	448	457	467	477	487	497	507	517
37.6	426	435	444	453	462	472	482	492	502	512	522
37.8	433	442	451	460	469	479	489	499	509	519	529
38.0	443	452	461	470	479	489	499	509	519	529	539
38.2	448	457	466	475	484	494	504	514	524	534	544
38.4	453	462	471	480	489	499	509	519	529	539	549
38.6	459	468	477	486	495	505	515	525	535	545	555
38.8	465	474	483	492	501	511	521	531	541	551	561
39.0	473	482	491	500	509	519	529	539	549	559	569
39.2	484	493	502	511	520	530	540	550	560	570	580
39.4	490	499	508	517	526	536	546	556	566	576	586
39.6	495	504	513	522	531	541	551	561	571	581	591
39.8	501	510	519	528	537	547	557	567	577	587	597
40.0	509	518	527	536	545	555	565	575	585	595	604

TABLE A-1 CONTINUED

TABLE PAGE 97

TEMP DEG C	6.60	6.61	6.62	6.63	6.64	PH 6.65	6.66	6.67	6.68	6.69	6.70
0.0	.0329	.0337	.0345	.0353	.0361	.0369	.0375	.0387	.0396	.0405	.0414
.2	.0335	.0342	.0350	.0355	.0363	.0375	.0384	.0393	.0402	.0412	.0421
.4	.0340	.0348	.0356	.0365	.0373	.0382	.0391	.0400	.0409	.0419	.0428
.6	.0346	.0354	.0362	.0371	.0379	.0388	.0397	.0407	.0416	.0426	.0436
.8	.0352	.0360	.0368	.0377	.0386	.0395	.0404	.0413	.0423	.0433	.0443
1.0	.0358	.0366	.0375	.0383	.0392	.0401	.0411	.0420	.0430	.0440	.0450
1.2	.0364	.0372	.0381	.0390	.0399	.0408	.0418	.0427	.0437	.0448	.0458
1.4	.0370	.0379	.0387	.0396	.0406	.0415	.0425	.0435	.0445	.0455	.0466
1.6	.0376	.0385	.0394	.0403	.0412	.0422	.0432	.0442	.0452	.0463	.0474
1.8	.0383	.0391	.0401	.0410	.0419	.0429	.0439	.0449	.0460	.0471	.0482
2.0	.0389	.0398	.0407	.0417	.0426	.0436	.0447	.0457	.0468	.0478	.0490
2.2	.0395	.0405	.0414	.0424	.0434	.0444	.0454	.0465	.0475	.0486	.0498
2.4	.0402	.0411	.0421	.0431	.0441	.0451	.0462	.0472	.0483	.0495	.0506
2.6	.0409	.0418	.0428	.0438	.0448	.0459	.0469	.0480	.0491	.0503	.0514
2.8	.0416	.0425	.0435	.0445	.0456	.0466	.0477	.0488	.0500	.0511	.0522
3.0	.0422	.0432	.0442	.0453	.0463	.0474	.0485	.0496	.0508	.0520	.0532
3.2	.0429	.0439	.0450	.0460	.0471	.0482	.0493	.0505	.0516	.0528	.0541
3.4	.0437	.0447	.0457	.0468	.0479	.0490	.0501	.0513	.0525	.0537	.0550
3.6	.0444	.0454	.0465	.0475	.0487	.0498	.0509	.0521	.0533	.0546	.0559
3.8	.0451	.0462	.0472	.0483	.0495	.0506	.0518	.0530	.0542	.0555	.0568
4.0	.0459	.0469	.0480	.0491	.0503	.0514	.0526	.0539	.0551	.0564	.0577
4.2	.0466	.0477	.0488	.0499	.0511	.0523	.0535	.0548	.0560	.0573	.0587
4.4	.0474	.0485	.0496	.0508	.0519	.0532	.0544	.0557	.0570	.0583	.0596
4.6	.0482	.0493	.0504	.0516	.0528	.0540	.0553	.0566	.0579	.0592	.0606
4.8	.0489	.0501	.0512	.0524	.0537	.0549	.0562	.0575	.0588	.0602	.0616
5.0	.0497	.0509	.0521	.0533	.0545	.0558	.0571	.0584	.0598	.0612	.0626
5.2	.0506	.0517	.0529	.0542	.0554	.0567	.0580	.0594	.0608	.0622	.0636
5.4	.0514	.0526	.0538	.0551	.0563	.0577	.0590	.0604	.0618	.0632	.0647
5.6	.0522	.0534	.0547	.0560	.0573	.0586	.0600	.0614	.0628	.0642	.0657
5.8	.0531	.0543	.0556	.0569	.0582	.0595	.0609	.0623	.0638	.0653	.0668
6.0	.0539	.0552	.0565	.0578	.0591	.0605	.0619	.0634	.0648	.0663	.0679
6.2	.0548	.0561	.0574	.0587	.0601	.0615	.0629	.0644	.0659	.0674	.0690
6.4	.0557	.0570	.0583	.0597	.0611	.0625	.0639	.0654	.0670	.0685	.0701
6.6	.0566	.0579	.0593	.0606	.0621	.0635	.0650	.0665	.0681	.0696	.0712
6.8	.0575	.0589	.0602	.0616	.0631	.0645	.0660	.0676	.0691	.0708	.0724
7.0	.0584	.0598	.0612	.0626	.0641	.0656	.0671	.0687	.0703	.0719	.0736

TABLE A-1 CONTINUED

TEMP DEG C	6.60	6.61	6.62	6.63	6.64	PH 6.65	6.66	6.67	6.68	6.69	6.70
7.0	.0584	.0598	.0612	.0626	.0641	.0656	.0671	.0687	.0703	.0719	.0736
7.2	.0594	.0608	.0622	.0636	.0651	.0666	.0682	.0698	.0714	.0731	.0748
7.4	.0603	.0617	.0632	.0647	.0662	.0677	.0693	.0709	.0725	.0742	.0760
7.6	.0613	.0627	.0642	.0657	.0672	.0688	.0704	.0720	.0737	.0754	.0772
7.8	.0623	.0637	.0652	.0667	.0683	.0699	.0715	.0732	.0749	.0766	.0784
8.0	.0633	.0648	.0663	.0678	.0694	.0710	.0727	.0744	.0761	.0779	.0797
8.2	.0643	.0658	.0673	.0689	.0705	.0721	.0738	.0755	.0773	.0791	.0809
8.4	.0653	.0669	.0684	.0700	.0716	.0733	.0750	.0768	.0785	.0804	.0822
8.6	.0664	.0679	.0695	.0711	.0728	.0745	.0762	.0780	.0798	.0816	.0835
8.8	.0674	.0690	.0706	.0723	.0739	.0757	.0774	.0792	.0811	.0829	.0849
9.0	.0685	.0701	.0717	.0734	.0751	.0769	.0786	.0805	.0824	.0843	.0862
9.2	.0696	.0712	.0729	.0746	.0763	.0781	.0799	.0818	.0837	.0856	.0876
9.4	.0707	.0723	.0740	.0758	.0775	.0793	.0812	.0831	.0850	.0870	.0890
9.6	.0718	.0735	.0752	.0770	.0787	.0806	.0824	.0844	.0863	.0883	.0904
9.8	.0730	.0747	.0764	.0782	.0800	.0818	.0838	.0857	.0877	.0897	.0918
10.0	.0741	.0758	.0776	.0794	.0813	.0831	.0851	.0871	.0891	.0912	.0933
10.2	.0753	.0770	.0788	.0807	.0825	.0845	.0864	.0884	.0905	.0926	.0947
10.4	.0765	.0782	.0801	.0819	.0838	.0858	.0878	.0898	.0919	.0941	.0962
10.6	.0777	.0795	.0813	.0832	.0852	.0871	.0892	.0912	.0934	.0955	.0978
10.8	.0789	.0807	.0826	.0845	.0865	.0885	.0906	.0927	.0948	.0970	.0993
11.0	.0801	.0820	.0839	.0858	.0878	.0899	.0920	.0941	.0963	.0986	.1008
11.2	.0814	.0833	.0852	.0872	.0892	.0913	.0934	.0956	.0978	.1001	.1024
11.4	.0826	.0846	.0865	.0886	.0906	.0927	.0949	.0971	.0993	.1017	.1040
11.6	.0839	.0859	.0879	.0899	.0920	.0942	.0964	.0986	.1009	.1032	.1056
11.8	.0852	.0872	.0893	.0913	.0935	.0956	.0979	.1001	.1025	.1049	.1073
12.0	.0866	.0886	.0907	.0928	.0949	.0971	.0994	.1017	.1041	.1065	.1090
12.2	.0879	.0900	.0921	.0942	.0964	.0986	.1009	.1033	.1057	.1081	.1107
12.4	.0893	.0914	.0935	.0957	.0979	.1002	.1025	.1049	.1073	.1098	.1124
12.6	.0907	.0928	.0949	.0971	.0994	.1017	.1041	.1065	.1090	.1115	.1141
12.8	.0921	.0942	.0964	.0987	.1009	.1033	.1057	.1082	.1107	.1132	.1159
13.0	.0935	.0957	.0979	.1002	.1025	.1049	.1073	.1098	.1124	.1150	.1177
13.2	.0949	.0971	.0994	.1017	.1041	.1065	.1090	.1115	.1141	.1168	.1195
13.4	.0964	.0986	.1009	.1033	.1057	.1082	.1107	.1132	.1159	.1186	.1213
13.6	.0979	.1002	.1025	.1049	.1073	.1098	.1124	.1150	.1177	.1204	.1232
13.8	.0994	.1017	.1041	.1065	.1090	.1115	.1141	.1168	.1195	.1223	.1251
14.0	.101	.103	.106	.108	.111	.113	.116	.119	.121	.124	.127

TABLE A-1 CONTINUED

TEMP DEG C	6.60	6.61	6.62	6.63	6.64	PH	6.66	6.67	6.68	6.69	6.70
14.0	101	103	106	108	111	113	116	119	123	126	129
14.2	102	105	107	110	112	115	118	122	125	128	131
14.4	104	106	109	111	114	118	121	124	129	132	135
14.6	106	108	111	113	116	120	123	126	131	134	137
14.8	107	110	112	115	118	122	125	128	133	136	139
15.0	109	111	114	117	121	124	127	130	135	138	141
15.2	111	113	116	118	121	126	129	132	137	140	143
15.4	112	115	117	120	123	128	131	134	139	142	145
15.6	116	118	121	124	129	132	135	138	141	144	147
16.0	119	122	125	128	133	136	139	142	145	149	152
16.4	121	124	129	132	137	140	143	146	150	153	156
16.6	123	126	130	134	139	142	145	149	152	156	159
16.8	125	129	132	136	141	144	147	151	154	158	162
17.0	127	131	134	138	143	146	150	153	157	160	164
17.2	130	134	137	141	146	149	153	156	161	165	169
17.4	132	136	139	144	149	151	156	160	164	168	171
17.6	134	138	141	146	151	153	159	162	166	170	173
17.8	136	140	143	148	154	157	163	167	171	175	179
18.0	138	142	145	150	156	160	166	170	174	178	182
18.2	140	144	147	152	158	163	169	173	177	181	185
18.4	142	146	149	154	161	165	171	175	180	184	189
18.6	144	148	151	157	163	168	174	178	183	188	193
18.8	145	150	154	159	166	171	177	181	187	192	197
19.0	147	152	156	161	168	173	179	183	189	194	199
19.2	149	155	159	164	171	177	183	187	193	198	204
19.4	151	157	161	166	173	179	185	189	195	201	207
19.6	153	159	163	169	176	181	187	191	197	203	209
19.8	155	162	166	172	179	185	191	194	200	206	212
20.0	158	164	168	174	181	188	194	197	204	210	216
20.2	160	166	170	176	183	190	196	200	207	213	219
20.4	163	169	173	179	186	193	199	203	210	216	222
20.6	165	171	175	182	189	196	202	206	213	219	225
20.8	167	173	177	184	191	198	204	208	215	221	227
21.0	170	176	180	187	194	201	207	211	218	224	230

TABLE A-1 CONTINUED

TEMP DEG C	6.60	6.61	6.62	6.63	6.64	PH 6.65	6.66	6.67	6.68	6.69	6.70
21.0	170	174	178	185	186	190	195	195	207	209	214
21.2	172	176	180	187	189	193	198	198	207	210	215
21.4	175	179	183	190	192	196	203	203	210	215	220
21.6	177	181	186	193	195	199	206	206	213	218	223
21.8	180	184	188	195	197	202	209	209	216	221	226
22.0	182	187	191	198	200	205	209	211	219	224	230
22.2	185	189	194	198	203	208	216	217	222	228	233
22.4	188	192	197	201	206	211	219	221	229	234	240
22.6	190	195	199	204	209	214	222	224	232	238	244
22.8	193	198	202	207	212	217	225	227	235	241	247
23.0	196	201	205	210	215	220	225	228	236	242	248
23.2	199	204	208	213	218	223	228	231	239	245	251
23.4	202	207	211	216	221	226	232	234	242	248	254
23.6	205	210	214	219	224	229	235	237	245	251	257
23.8	208	213	217	222	227	232	238	240	248	254	260
24.0	210	215	220	225	230	235	242	244	252	258	264
24.2	214	219	223	228	233	238	245	247	255	261	267
24.4	217	222	226	231	236	241	248	250	258	264	270
24.6	220	225	229	234	239	244	251	253	261	267	273
24.8	223	228	232	237	242	247	254	256	264	270	276
25.0	226	231	235	240	245	250	257	259	267	273	279
25.2	229	234	238	243	248	253	260	262	270	276	282
25.4	232	237	241	246	251	256	263	265	273	279	285
25.6	235	240	244	249	254	259	266	268	276	282	288
25.8	238	243	247	252	257	262	269	271	279	285	291
26.0	241	246	250	255	260	265	272	274	282	288	294
26.2	244	249	253	258	263	268	275	277	285	291	297
26.4	246	251	255	260	265	270	277	279	287	293	299
26.6	249	254	258	263	268	273	280	282	290	296	302
26.8	252	257	261	266	271	276	283	285	293	299	305
27.0	255	260	264	269	274	279	286	288	296	302	308
27.2	258	263	267	272	277	282	289	291	299	305	311
27.4	261	266	270	275	280	285	292	294	302	308	314
27.6	264	269	273	278	283	288	295	297	305	311	317
27.8	267	272	276	281	286	291	298	300	308	314	320
28.0	270	275	279	284	289	294	301	303	311	317	323
28.2	273	278	282	287	292	297	304	306	314	320	326
28.4	276	281	285	290	295	300	307	309	317	323	329
28.6	279	284	288	293	298	303	310	312	320	326	332
28.8	282	287	291	296	301	306	313	315	323	329	335
29.0	285	290	294	299	304	309	316	318	326	332	338
29.2	288	293	297	302	307	312	319	321	329	335	341
29.4	291	296	300	305	310	315	322	324	332	338	344
29.6	294	299	303	308	313	318	325	327	335	341	347
29.8	297	302	306	311	316	321	328	330	338	344	350
30.0	300	305	309	314	319	324	331	333	341	347	353

TABLE A-1 CONTINUED

TABLE PAGE 101

TEMP DEG C	6.60	6.61	6.62	6.63	6.64	PH 6.65	6.66	6.67	6.68	6.69	6.70
28.0	279	285	292	298	305	312	320	327	335	342	350
28.2	286	289	296	303	310	317	324	332	339	347	355
28.4	290	293	300	307	314	321	329	336	344	352	360
28.6	294	297	304	311	318	326	333	341	349	357	365
29.0	298	305	312	320	327	335	342	350	359	367	375
29.2	303	310	317	324	332	339	347	355	363	372	381
29.4	307	314	321	329	336	344	352	360	369	377	386
29.6	311	318	326	333	341	349	357	365	374	382	391
30.0	320	327	335	342	350	358	367	375	384	393	402
30.2	324	331	339	347	355	363	372	380	389	398	407
30.4	328	336	344	352	360	368	377	386	394	404	413
30.6	333	341	348	357	365	373	382	391	400	409	419
30.8	337	345	353	361	370	378	387	396	405	415	424
31.0	342	350	358	366	375	384	392	402	411	420	430
31.2	347	355	363	371	380	389	398	407	416	426	436
31.4	351	360	368	376	385	394	403	413	422	432	442
31.6	356	364	373	381	390	399	409	418	428	438	448
31.8	361	369	378	387	396	405	414	424	434	444	454
32.0	366	374	383	392	401	410	420	430	440	450	460
32.2	371	379	388	397	406	416	425	435	445	456	466
32.4	376	385	393	403	412	421	431	441	451	462	473
32.6	381	390	399	408	417	427	437	447	458	468	479
32.8	386	395	404	413	423	433	443	453	464	474	485
33.0	391	400	410	419	429	439	449	459	470	481	492
33.2	396	406	415	425	435	445	455	465	476	487	499
33.4	402	411	421	430	440	451	461	472	483	494	505
33.6	407	417	426	436	446	457	467	478	489	500	512
33.8	413	422	432	442	452	463	473	484	496	507	519
34.0	418	428	438	448	458	469	480	491	502	514	526
34.2	424	434	444	454	464	475	486	497	509	521	533
34.4	429	439	449	460	471	481	493	504	516	528	540
34.6	435	445	455	466	477	488	499	511	523	535	547
35.0	441	451	462	472	483	494	506	518	530	542	554
35.0	447	457	468	478	489	501	513	524	537	549	562

TABLE A-1 CONTINUED

TEMP DEG C	6.60	6.61	6.62	6.63	6.64	PH 6.65	6.66	6.67	6.68	6.69	6.70
35.0	.447	.457	.468	.478	.490	.501	.513	.524	.537	.549	.562
35.2	.453	.463	.474	.485	.496	.508	.519	.531	.544	.556	.569
35.4	.459	.469	.480	.491	.503	.514	.526	.538	.551	.564	.577
35.6	.465	.475	.486	.498	.509	.521	.533	.545	.558	.571	.584
35.8	.471	.482	.493	.504	.516	.528	.540	.552	.565	.579	.592
36.0	.477	.488	.499	.511	.523	.535	.547	.560	.573	.586	.600
36.2	.483	.494	.506	.518	.530	.542	.554	.567	.580	.594	.608
36.4	.490	.501	.513	.524	.537	.549	.562	.575	.588	.602	.616
36.6	.496	.508	.519	.531	.544	.556	.569	.582	.596	.610	.624
36.8	.503	.514	.526	.538	.551	.564	.577	.590	.604	.618	.632
37.0	.509	.521	.533	.545	.558	.571	.584	.598	.611	.626	.640
37.2	.516	.528	.540	.552	.565	.578	.592	.605	.619	.634	.648
37.4	.523	.535	.547	.560	.573	.586	.599	.613	.628	.642	.657
37.6	.529	.542	.554	.567	.580	.594	.607	.621	.636	.650	.664
37.8	.536	.549	.561	.574	.588	.601	.615	.629	.644	.659	.673
38.0	.543	.556	.569	.582	.595	.609	.623	.638	.652	.667	.683
38.2	.550	.563	.576	.589	.603	.617	.631	.646	.661	.676	.692
38.4	.557	.570	.583	.597	.611	.625	.639	.654	.669	.685	.701
38.6	.565	.578	.591	.605	.619	.633	.648	.663	.678	.694	.710
38.8	.572	.585	.599	.613	.627	.641	.656	.671	.686	.703	.719
39.0	.579	.593	.606	.620	.635	.649	.665	.680	.696	.712	.728
39.2	.587	.600	.614	.628	.643	.658	.673	.689	.705	.721	.738
39.4	.594	.608	.622	.637	.651	.666	.682	.698	.714	.730	.747
39.6	.602	.616	.630	.645	.660	.675	.691	.706	.723	.740	.757
40.0	.617	.632	.646	.661	.677	.692	.708	.725	.741	.759	.776

TABLE A-1 CONTINUED

TEMP DEG C	6.70	6.71	6.72	6.73	6.74	PH 6.75	6.76	6.77	6.78	6.79	6.80
0	.0414	.0424	.0434	.0444	.0454	.0465	.0476	.0487	.0498	.0510	.0521
2	.0421	.0431	.0441	.0451	.0462	.0473	.0484	.0495	.0506	.0518	.0530
4	.0428	.0438	.0449	.0459	.0470	.0481	.0492	.0503	.0514	.0527	.0539
6	.0436	.0446	.0456	.0467	.0478	.0489	.0500	.0512	.0523	.0536	.0548
8	.0443	.0453	.0464	.0475	.0486	.0497	.0509	.0520	.0533	.0545	.0558
1.0	.0450	.0461	.0472	.0483	.0494	.0505	.0517	.0529	.0542	.0554	.0567
1.2	.0458	.0469	.0480	.0491	.0502	.0514	.0526	.0538	.0551	.0563	.0577
1.4	.0466	.0477	.0488	.0499	.0511	.0523	.0535	.0547	.0560	.0573	.0586
1.6	.0474	.0485	.0496	.0507	.0519	.0531	.0544	.0556	.0569	.0583	.0596
1.8	.0482	.0493	.0504	.0516	.0528	.0540	.0553	.0566	.0579	.0592	.0606
2.0	.0490	.0501	.0513	.0525	.0537	.0549	.0562	.0575	.0589	.0602	.0616
2.2	.0498	.0509	.0521	.0533	.0546	.0558	.0571	.0585	.0598	.0612	.0627
2.4	.0506	.0518	.0530	.0542	.0555	.0568	.0581	.0595	.0608	.0623	.0637
2.6	.0514	.0526	.0539	.0551	.0564	.0577	.0591	.0604	.0618	.0633	.0648
2.8	.0523	.0535	.0548	.0560	.0573	.0587	.0600	.0614	.0629	.0643	.0658
3.0	.0532	.0544	.0557	.0570	.0583	.0597	.0610	.0625	.0639	.0654	.0669
3.2	.0541	.0553	.0566	.0579	.0593	.0606	.0621	.0635	.0650	.0665	.0680
3.4	.0550	.0562	.0575	.0589	.0603	.0617	.0631	.0646	.0661	.0676	.0692
3.6	.0559	.0572	.0585	.0599	.0612	.0627	.0641	.0656	.0672	.0687	.0703
3.8	.0568	.0581	.0595	.0608	.0623	.0637	.0652	.0667	.0683	.0698	.0715
4.0	.0577	.0591	.0604	.0618	.0633	.0648	.0663	.0678	.0694	.0710	.0727
4.2	.0587	.0600	.0614	.0629	.0643	.0658	.0674	.0689	.0705	.0722	.0739
4.4	.0596	.0610	.0624	.0639	.0654	.0669	.0685	.0701	.0717	.0734	.0751
4.6	.0606	.0620	.0635	.0649	.0665	.0680	.0696	.0712	.0729	.0746	.0763
4.8	.0616	.0630	.0645	.0660	.0675	.0691	.0707	.0724	.0741	.0758	.0775
5.0	.0626	.0641	.0656	.0671	.0687	.0703	.0719	.0736	.0753	.0770	.0788
5.2	.0636	.0651	.0666	.0682	.0698	.0714	.0731	.0748	.0765	.0783	.0801
5.4	.0647	.0662	.0677	.0693	.0709	.0726	.0743	.0760	.0778	.0796	.0814
5.6	.0657	.0673	.0688	.0704	.0721	.0737	.0755	.0772	.0790	.0809	.0827
5.8	.0668	.0684	.0700	.0716	.0732	.0750	.0767	.0785	.0803	.0822	.0841
6.0	.0679	.0695	.0711	.0727	.0744	.0762	.0779	.0798	.0816	.0835	.0855
6.2	.0690	.0706	.0722	.0739	.0756	.0774	.0792	.0811	.0829	.0849	.0868
6.4	.0701	.0717	.0734	.0751	.0769	.0787	.0805	.0824	.0843	.0862	.0882
6.6	.0712	.0729	.0746	.0763	.0781	.0799	.0818	.0837	.0856	.0876	.0895
6.8	.0724	.0741	.0758	.0776	.0794	.0812	.0831	.0850	.0870	.0891	.0911
7.0	.0736	.0753	.0770	.0788	.0807	.0825	.0845	.0864	.0884	.0905	.0926

TABLE A-1 CONTINUED

TEMP DEG C	6.70	6.71	6.72	6.73	6.74	PH 6.75	6.76	6.77	6.78	6.79	6.80
7.0	.0736	.0753	.0770	.0788	.0807	.0825	.0845	.0864	.0884	.0905	.0926
7.2	.0748	.0765	.0783	.0801	.0820	.0839	.0858	.0878	.0899	.0919	.0941
7.4	.0760	.0777	.0795	.0814	.0833	.0852	.0872	.0892	.0913	.0934	.0956
7.6	.0772	.0790	.0808	.0827	.0846	.0866	.0886	.0907	.0928	.0949	.0971
7.8	.0784	.0802	.0821	.0840	.0860	.0880	.0900	.0921	.0943	.0965	.0987
8.0	.0797	.0815	.0834	.0854	.0873	.0894	.0915	.0936	.0958	.0980	.1003
8.2	.0809	.0828	.0848	.0867	.0887	.0908	.0929	.0951	.0973	.0996	.1019
8.4	.0822	.0842	.0861	.0881	.0902	.0923	.0944	.0966	.0989	.1012	.1035
8.6	.0835	.0855	.0875	.0895	.0916	.0937	.0959	.0981	.1004	.1028	.1052
8.8	.0849	.0869	.0889	.0909	.0931	.0952	.0974	.0997	.1020	.1044	.1068
9.0	.0862	.0882	.0903	.0924	.0945	.0967	.0990	.1013	.1037	.1061	.1085
9.2	.0876	.0896	.0917	.0939	.0960	.0983	.1006	.1029	.1053	.1077	.1100
9.4	.0890	.0911	.0932	.0953	.0976	.0998	.1022	.1045	.1070	.1095	.1119
9.6	.0904	.0925	.0947	.0969	.0991	.1014	.1038	.1062	.1087	.1112	.1137
9.8	.0918	.0940	.0962	.0984	.1007	.1030	.1054	.1079	.1104	.1129	.1154
10.0	.0933	.0954	.0977	.0999	.1023	.1046	.1071	.1096	.1121	.1147	.1174
10.2	.0947	.0970	.0992	.1015	.1039	.1063	.1088	.1113	.1137	.1165	.1191
10.4	.0962	.0985	.1008	.1031	.1055	.1080	.1105	.1131	.1155	.1184	.1210
10.6	.0978	.1000	.1024	.1047	.1072	.1097	.1122	.1148	.1173	.1201	.1227
10.8	.0993	.1016	.1040	.1064	.1089	.1114	.1140	.1166	.1191	.1224	.1250
11.0	.101	.103	.106	.108	.111	.113	.116	.118	.121	.124	.127
11.2	.102	.105	.107	.110	.114	.117	.119	.122	.125	.128	.131
11.4	.104	.108	.109	.113	.116	.119	.123	.126	.129	.132	.135
11.6	.106	.110	.112	.115	.119	.122	.125	.128	.131	.134	.137
11.8	.107	.112	.114	.117	.121	.124	.127	.130	.133	.136	.139
12.0	.109	.114	.116	.120	.123	.126	.129	.132	.135	.138	.141
12.2	.112	.117	.119	.122	.125	.128	.131	.134	.137	.140	.143
12.4	.114	.119	.121	.124	.127	.130	.133	.136	.139	.142	.145
12.6	.116	.120	.123	.126	.129	.132	.135	.138	.141	.144	.147
12.8	.118	.122	.125	.128	.131	.134	.137	.140	.143	.146	.149
13.0	.119	.124	.127	.130	.133	.136	.139	.142	.145	.148	.151
13.2	.121	.126	.129	.132	.135	.138	.141	.144	.147	.150	.153
13.4	.123	.128	.131	.134	.137	.140	.143	.146	.149	.152	.155
13.6	.125	.130	.133	.136	.139	.142	.145	.148	.151	.154	.157
13.8	.127	.132	.135	.138	.141	.144	.147	.150	.153	.156	.159
14.0	.129	.134	.137	.140	.143	.146	.149	.152	.155	.158	.161

TABLE A-1 CONTINUED

TABLE PAGE 105

TEMP DEG C	6.70	6.71	6.72	6.73	6.74	PH 6.75	6.76	6.77	6.78	6.79	6.80
14.0	127	130	133	136	139	142	146	149	153	156	160
14.2	129	132	135	138	141	145	148	151	155	159	162
14.4	131	134	137	140	143	147	150	154	157	161	165
14.6	133	136	139	142	145	149	152	156	160	164	168
14.8	135	138	141	144	147	151	154	158	162	166	170
15.0	137	140	143	146	149	153	156	160	164	168	172
15.2	139	142	145	148	151	155	158	162	166	170	174
15.4	141	144	147	150	153	157	160	164	168	172	176
15.6	143	146	149	152	155	159	162	166	170	174	178
15.8	146	149	152	155	158	162	165	169	173	177	181
16.0	148	151	154	157	160	164	167	171	175	179	183
16.2	150	153	156	159	162	166	170	174	178	182	186
16.4	152	155	158	161	164	168	172	176	180	184	188
16.6	155	158	161	164	167	171	175	179	183	187	191
16.8	157	160	163	166	169	173	177	181	185	189	193
17.0	159	162	165	168	171	175	179	183	187	191	195
17.2	162	165	168	171	174	178	182	186	190	194	198
17.4	164	167	170	173	176	180	184	188	192	196	200
17.6	166	169	172	175	178	182	186	190	194	198	202
17.8	169	172	175	178	181	185	189	193	197	201	205
18.0	171	174	177	180	183	187	191	195	199	203	207
18.2	174	177	180	183	186	190	194	198	202	206	210
18.4	177	180	183	186	189	193	197	201	205	209	213
18.6	179	182	185	188	191	195	199	203	207	211	215
18.8	182	185	188	191	194	198	202	206	210	214	218
19.0	185	188	191	194	197	201	205	209	213	217	221
19.2	187	190	193	196	199	203	207	211	215	219	223
19.4	190	193	196	199	202	206	210	214	218	222	226
19.6	193	196	199	202	205	209	213	217	221	225	229
19.8	196	199	202	205	208	212	216	220	224	228	232
20.0	199	202	205	208	211	215	219	223	227	231	235
20.2	202	205	208	211	214	218	222	226	230	234	238
20.4	204	207	210	213	216	220	224	228	232	236	240
20.6	206	209	212	215	218	222	226	230	234	238	242
20.8	209	212	215	218	221	225	229	233	237	241	245
21.0	211	214	217	220	223	227	231	235	239	243	247
21.2	214	217	220	223	226	230	234	238	242	246	250
21.4	217	220	223	226	229	233	237	241	245	249	253
21.6	220	223	226	229	232	236	240	244	248	252	256
21.8	223	226	229	232	235	239	243	247	251	255	259
22.0	226	229	232	235	238	242	246	250	254	258	262
22.2	229	232	235	238	241	245	249	253	257	261	265
22.4	232	235	238	241	244	248	252	256	260	264	268
22.6	235	238	241	244	247	251	255	259	263	267	271
22.8	238	241	244	247	250	254	258	262	266	270	274
23.0	241	244	247	250	253	257	261	265	269	273	277
23.2	244	247	250	253	256	260	264	268	272	276	280
23.4	247	250	253	256	259	263	267	271	275	279	283
23.6	250	253	256	259	262	266	270	274	278	282	286
23.8	253	256	259	262	265	269	273	277	281	285	289
24.0	256	259	262	265	268	272	276	280	284	288	292
24.2	259	262	265	268	271	275	279	283	287	291	295
24.4	262	265	268	271	274	278	282	286	290	294	298
24.6	265	268	271	274	277	281	285	289	293	297	301
24.8	268	271	274	277	280	284	288	292	296	300	304
25.0	271	274	277	280	283	287	291	295	299	303	307
25.2	274	277	280	283	286	290	294	298	302	306	310
25.4	277	280	283	286	289	293	297	301	305	309	313
25.6	280	283	286	289	292	296	300	304	308	312	316
25.8	283	286	289	292	295	299	303	307	311	315	319
26.0	286	289	292	295	298	302	306	310	314	318	322
26.2	289	292	295	298	301	305	309	313	317	321	325
26.4	292	295	298	301	304	308	312	316	320	324	328
26.6	295	298	301	304	307	311	315	319	323	327	331
26.8	298	301	304	307	310	314	318	322	326	330	334
27.0	301	304	307	310	313	317	321	325	329	333	337
27.2	304	307	310	313	316	320	324	328	332	336	340
27.4	307	310	313	316	319	323	327	331	335	339	343
27.6	310	313	316	319	322	326	330	334	338	342	346
27.8	313	316	319	322	325	329	333	337	341	345	349
28.0	316	319	322	325	328	332	336	340	344	348	352
28.2	319	322	325	328	331	335	339	343	347	351	355
28.4	322	325	328	331	334	338	342	346	350	354	358
28.6	325	328	331	334	337	341	345	349	353	357	361
28.8	328	331	334	337	340	344	348	352	356	360	364
29.0	331	334	337	340	343	347	351	355	359	363	367
29.2	334	337	340	343	346	350	354	358	362	366	370
29.4	337	340	343	346	349	353	357	361	365	369	373
29.6	340	343	346	349	352	356	360	364	368	372	376
29.8	343	346	349	352	355	359	363	367	371	375	379
30.0	346	349	352	355	358	362	366	370	374	378	382
30.2	349	352	355	358	361	365	369	373	377	381	385
30.4	352	355	358	361	364	368	372	376	380	384	388
30.6	355	358	361	364	367	371	375	379	383	387	391
30.8	358	361	364	367	370	374	378	382	386	390	394
31.0	361	364	367	370	373	377	381	385	389	393	397
31.2	364	367	370	373	376	380	384	388	392	396	400
31.4	367	370	373	376	379	383	387	391	395	399	403
31.6	370	373	376	379	382	386	390	394	398	402	406
31.8	373	376	379	382	385	389	393	397	401	405	409
32.0	376	379	382	385	388	392	396	400	404	408	412
32.2	379	382	385	388	391	395	399	403	407	411	415
32.4	382	385	388	391	394	398	402	406	410	414	418
32.6	385	388	391	394	397	401	405	409	413	417	421
32.8	388	391	394	397	400	404	408	412	416	420	424
33.0	391	394	397	400	403	407	411	415	419	423	427
33.2	394	397	400	403	406	410	414	418	422	426	430
33.4	397	400	403	406	409	413	417	421	425	429	433
33.6	400	403	406	409	412	416	420	424	428	432	436
33.8	403	406	409	412	415	419	423	427	431	435	439
34.0	406	409	412	415	418	422	426	430	434	438	442
34.2	409	412	415	418	421	425	429	433	437	441	445
34.4	412	415	418	421	424	428	432	436	440	444	448
34.6	415	418	421	424	427	431	435	439	443	447	451
34.8	418	421	424	427	430	434	438	442	446	450	454
35.0	421	424	427	430	433	437	441	445	449	453	457
35.2	424	427	430	433	436	440	444	448	452	456	460
35.4	427	430	433	436	439	443	447	451	455	459	463
35.6	430	433	436	439	442	446	450	454	458	462	466
35.8	433	436	439	442	445	449	453	457	461	465	469
36.0	436	439	442	445	448	452	456	460	464	468	472
36.2	439	442	445	448	451	455	459	463	467	471	475
36.4	442	445	448	451	454	458	462	466	470	474	478
36.6	445	448	451	454	457	461	465	469	473	477	481
36.8	448	451	454	457	460	464	468	472	476	480	484
37.0	451	454	457	460	463	467	471	475	479	483	487
37.2	454	457	460	463	466	470	474	478	482	486	490
37.4	457	460	463	466	469	473	477	481	485	489	493
37.											

TABLE A-1 CONTINUED

TABLE PAGE 106

TEMP DEG C	6.70	6.71	6.72	6.73	6.74	PH 6.75	6.76	6.77	6.78	6.79	6.80
21.0	214	219	224	229	234	240	245	251	257	263	269
21.2	217	222	227	232	237	243	249	255	260	266	271
21.4	220	225	230	235	240	247	252	258	264	270	275
21.6	223	228	233	238	243	250	256	262	268	274	279
21.8	226	231	236	241	246	253	259	265	271	277	282
22.0	230	235	240	245	250	258	264	270	276	282	288
22.2	233	238	244	249	255	261	267	274	280	286	292
22.4	236	241	247	253	259	265	271	278	284	290	296
22.6	240	245	251	257	263	269	275	281	287	293	299
22.8	243	248	254	260	266	272	278	284	290	296	302
23.0	247	252	258	264	270	277	283	289	295	301	307
23.2	250	256	262	268	274	281	287	294	301	308	315
23.4	254	260	266	272	278	285	291	298	305	312	319
23.6	257	263	269	275	281	288	295	302	309	317	324
23.8	261	267	273	279	285	292	299	306	313	321	328
24.0	265	271	277	284	290	297	304	311	318	326	333
24.2	269	275	281	288	294	301	308	315	323	330	338
24.4	272	279	285	292	299	306	313	320	327	335	342
24.6	276	283	289	296	303	310	317	325	332	340	348
24.8	280	287	293	300	307	314	322	329	337	345	353
25.0	284	291	298	305	312	319	326	334	342	349	358
25.2	288	295	302	309	316	323	331	339	346	354	363
25.4	292	299	306	313	321	328	336	343	351	359	368
25.6	297	303	310	318	325	333	340	348	356	365	373
25.8	301	308	315	322	330	337	345	353	361	370	378
26.0	305	312	319	327	334	342	350	358	366	375	384
26.2	309	316	324	331	339	347	355	363	372	380	389
26.4	314	321	328	336	344	352	360	368	377	386	394
26.6	318	325	333	341	349	357	365	373	382	391	400
26.8	322	330	338	345	353	362	370	379	387	396	406
27.0	327	335	342	350	358	367	375	384	393	402	411
27.2	332	339	347	355	363	372	380	389	398	408	417
27.4	336	344	352	360	368	377	386	395	404	413	423
27.6	341	349	357	365	374	383	391	400	409	419	429
27.8	346	354	362	370	379	388	397	406	415	425	435
28.0	350	359	367	375	384	393	402	411	421	431	441

TABLE A-1 CONTINUED

TABLE PAGE 107

TEMP DEC C	6.70	6.71	6.72	6.73	6.74	PH 6.75	6.76	6.77	6.78	6.79	6.80
28.0	350	359	367	375	384	393	402	411	419	428	437
28.2	355	364	372	381	389	398	408	417	425	434	443
28.4	360	369	377	386	395	404	413	422	430	439	448
28.6	365	374	382	391	400	409	419	428	436	445	454
28.8	370	379	388	397	406	415	425	434	442	451	460
29.0	375	384	393	402	411	420	430	439	447	456	465
29.2	381	389	398	408	417	426	436	445	453	462	471
29.4	386	395	404	413	423	432	442	451	459	468	478
29.6	391	400	409	419	428	437	447	456	464	474	483
29.8	396	406	415	425	435	444	454	463	471	481	490
30.0	402	411	421	431	441	451	461	470	478	488	497
30.2	407	417	427	437	447	457	467	476	484	494	503
30.4	413	423	433	443	453	463	473	482	490	500	509
30.6	419	429	439	449	459	469	479	488	496	506	515
30.8	424	434	444	454	464	474	484	493	501	511	520
31.0	430	440	450	461	471	481	491	500	508	518	527
31.2	436	446	456	467	477	487	497	506	514	524	533
31.4	442	452	463	473	484	494	504	513	521	531	540
31.6	448	458	469	480	491	502	512	521	529	539	548
31.8	454	465	475	486	497	508	518	527	535	545	554
32.0	460	471	482	493	504	515	525	534	542	552	561
32.2	466	477	488	500	511	522	532	541	549	559	568
32.4	473	484	495	506	517	528	538	547	555	565	574
32.6	479	490	501	513	524	535	545	554	562	572	581
32.8	485	497	508	520	531	542	552	561	569	579	588
33.0	499	510	522	534	546	557	567	575	583	593	602
33.2	505	517	529	541	554	565	575	583	591	601	610
33.4	512	524	536	548	561	572	581	589	597	607	616
33.6	519	531	543	556	569	580	589	597	605	615	624
33.8	526	538	550	563	576	587	596	604	612	622	631
34.0	533	545	558	571	584	595	604	612	620	630	639
34.2	540	552	565	578	592	603	611	619	627	637	646
34.4	547	559	572	586	600	611	619	627	635	645	654
34.6	554	567	580	594	608	619	627	635	643	653	662
34.8	562	575	588	602	616	627	635	643	651	661	670
35.0	562	575	588	602	616	627	635	643	651	661	670

TABLE A-1 CONTINUED

TEMP DEG C	6.70	6.71	6.72	6.73	6.74	PH:	6.76	6.77	6.78	6.79	6.80
35.0	562	575	588	602	616	630	644	659	675	690	705
35.2	569	582	596	610	624	637	653	667	683	698	713
35.4	577	590	604	618	632	647	662	677	692	708	724
35.6	584	598	612	626	640	655	670	686	701	717	734
35.8	592	606	620	634	649	664	679	695	711	727	754
36.0	600	614	628	642	657	672	688	704	720	737	754
36.2	608	622	636	651	666	681	697	713	730	747	764
36.4	616	630	644	659	675	690	706	722	739	756	774
36.6	624	638	653	668	683	699	715	732	749	766	784
36.8	632	646	661	677	692	708	725	741	759	776	794
37.0	640	655	670	686	701	718	734	751	769	786	805
37.2	648	663	679	695	711	727	744	761	779	797	815
37.4	657	672	688	704	720	736	754	771	789	807	826
37.6	665	681	697	713	729	746	763	781	799	817	836
37.8	674	690	706	722	739	756	773	791	809	828	848
38.0	683	699	715	731	748	766	783	801	820	839	858
38.2	692	708	724	741	758	775	793	812	830	850	869
38.4	701	717	733	750	768	785	804	823	841	861	881
38.6	710	726	743	760	778	796	815	834	852	872	892
38.8	719	736	753	770	788	806	825	844	863	884	905
39.0	728	745	762	780	798	816	835	854	874	894	915
39.2	738	755	772	790	808	827	846	865	885	906	927
39.4	747	764	782	800	819	837	856	877	897	917	939
39.6	757	774	792	810	829	848	868	889	909	929	951
39.8	766	784	803	821	840	859	879	899	920	941	963
40.0	776	794	812	831	850	870	890	911	932	953	975

TABLE A-1 CONTINUED

TEMP DEG C	6.80	6.81	6.82	6.83	6.84	PH 6.85	6.86	6.87	6.88	6.89	6.90
0	.0521	.0534	.0546	.0559	.0572	.0585	.0599	.0613	.0627	.0641	.0656
.2	.0530	.0543	.0555	.0568	.0581	.0595	.0609	.0623	.0637	.0652	.0667
.4	.0539	.0552	.0565	.0578	.0591	.0605	.0619	.0634	.0648	.0663	.0679
.6	.0548	.0561	.0574	.0588	.0601	.0615	.0630	.0644	.0659	.0675	.0692
.8	.0558	.0571	.0584	.0597	.0611	.0626	.0640	.0655	.0670	.0686	.0702
1.0	.0567	.0580	.0594	.0608	.0622	.0636	.0651	.0666	.0682	.0698	.0714
1.2	.0577	.0590	.0604	.0618	.0632	.0647	.0662	.0677	.0693	.0709	.0726
1.4	.0586	.0600	.0614	.0628	.0643	.0658	.0673	.0689	.0705	.0721	.0738
1.6	.0596	.0610	.0624	.0639	.0654	.0669	.0684	.0700	.0717	.0733	.0750
1.8	.0606	.0620	.0635	.0649	.0665	.0680	.0696	.0712	.0729	.0746	.0763
2.0	.0616	.0631	.0645	.0660	.0676	.0691	.0707	.0724	.0741	.0758	.0776
2.2	.0627	.0641	.0656	.0671	.0687	.0703	.0719	.0736	.0753	.0771	.0789
2.4	.0637	.0652	.0667	.0683	.0698	.0715	.0731	.0748	.0766	.0784	.0802
2.6	.0648	.0663	.0678	.0694	.0710	.0727	.0743	.0761	.0779	.0797	.0815
2.8	.0658	.0674	.0689	.0705	.0722	.0739	.0756	.0773	.0791	.0810	.0828
3.0	.0669	.0685	.0701	.0717	.0734	.0751	.0768	.0786	.0805	.0823	.0842
3.2	.0680	.0696	.0712	.0729	.0746	.0763	.0781	.0799	.0818	.0837	.0856
3.4	.0692	.0708	.0724	.0741	.0758	.0776	.0794	.0813	.0831	.0851	.0871
3.6	.0703	.0720	.0736	.0753	.0771	.0789	.0807	.0826	.0845	.0865	.0885
3.8	.0715	.0731	.0748	.0766	.0784	.0802	.0821	.0840	.0859	.0879	.0899
4.0	.0727	.0743	.0761	.0778	.0797	.0815	.0834	.0854	.0873	.0894	.0914
4.2	.0739	.0756	.0773	.0791	.0810	.0829	.0848	.0868	.0887	.0908	.0930
4.4	.0751	.0768	.0786	.0804	.0823	.0842	.0862	.0882	.0902	.0923	.0945
4.6	.0763	.0781	.0799	.0818	.0837	.0856	.0876	.0896	.0917	.0939	.0960
4.8	.0775	.0794	.0812	.0831	.0850	.0870	.0890	.0911	.0932	.0954	.0976
5.0	.0788	.0807	.0825	.0845	.0864	.0884	.0905	.0926	.0947	.0970	.0992
5.2	.0801	.0833	.0852	.0872	.0893	.0913	.0935	.0956	.0979	.0985	.1025
5.4	.0814	.0847	.0866	.0887	.0907	.0928	.0950	.0972	.0995	.1001	.1041
5.6	.0827	.0860	.0880	.0901	.0922	.0943	.0965	.0988	.1011	.1034	.1058
5.8	.0841	.0874	.0895	.0916	.0937	.0959	.0981	.1004	.1027	.1051	.1076
6.0	.0855	.0889	.0909	.0930	.0952	.0974	.0997	.1020	.1044	.1068	.1092
6.2	.0868	.0899	.0924	.0946	.0968	.0990	.1013	.1037	.1061	.1085	.1109
6.4	.0882	.0911	.0939	.0961	.0983	.1006	.1029	.1053	.1078	.1103	.1129
6.6	.0896	.0924	.0954	.0976	.0999	.1022	.1046	.1070	.1095	.1121	.1147
6.8	.0910	.0948	.0970	.0992	.1015	.1039	.1063	.1088	.1113	.1139	.1165

TABLE A-1 CONTINUED

TABLE PAGE 110

TEMP DEG C	6.80	6.81	6.82	6.83	6.84	PH 6.85	6.86	6.87	6.88	6.89	6.90
7.0	.0926	.0948	.0970	.0992	.1015	.1039	.1060	.1088	.1113	.1139	.1165
7.2	.0941	.0963	.0985	.1008	.1032	.1056	.1080	.1105	.1131	.1157	.1184
7.4	.0956	.0978	.1001	.1024	.1048	.1073	.1097	.1123	.1149	.1176	.1203
7.6	.0971	.0994	.1017	.1041	.1065	.1090	.1115	.1149	.1186	.1214	.1242
7.8	.0987	.1010	.1033	.1057	.1082	.1107	.1133	.1159	.1186	.1214	.1242
8.0	.100	.103	.105	.107	.110	.112	.115	.118	.121	.123	.126
8.2	.102	.104	.107	.109	.112	.114	.117	.120	.124	.125	.128
8.4	.105	.108	.110	.113	.115	.118	.121	.124	.126	.129	.132
8.6	.107	.109	.112	.114	.117	.120	.123	.125	.128	.131	.134
8.8	.109	.111	.114	.116	.119	.122	.125	.127	.130	.133	.137
9.0	.110	.113	.115	.118	.121	.124	.127	.130	.133	.136	.139
9.2	.112	.115	.117	.120	.123	.126	.129	.132	.135	.138	.141
9.4	.114	.116	.119	.122	.125	.128	.131	.134	.137	.140	.143
9.6	.116	.118	.121	.124	.127	.130	.133	.136	.139	.142	.145
9.8	.117	.120	.123	.126	.129	.132	.135	.138	.141	.144	.147
10.0	.119	.122	.125	.128	.131	.134	.137	.140	.143	.147	.150
10.2	.121	.124	.127	.130	.133	.136	.139	.142	.145	.149	.152
10.4	.123	.126	.129	.132	.135	.138	.141	.144	.148	.151	.155
10.6	.125	.128	.131	.134	.137	.140	.143	.147	.150	.154	.157
10.8	.127	.130	.133	.136	.139	.142	.146	.149	.153	.156	.160
11.0	.129	.132	.135	.138	.141	.144	.148	.151	.155	.159	.162
11.2	.131	.134	.137	.140	.143	.146	.150	.154	.157	.161	.165
11.4	.133	.136	.139	.142	.145	.149	.153	.156	.160	.164	.167
11.6	.135	.138	.141	.144	.148	.151	.155	.159	.162	.166	.170
11.8	.137	.140	.143	.147	.150	.154	.157	.161	.165	.169	.173
12.0	.139	.142	.146	.149	.153	.156	.160	.164	.167	.171	.175
12.2	.141	.145	.148	.152	.155	.159	.162	.166	.170	.174	.178
12.4	.143	.147	.150	.154	.157	.161	.165	.169	.173	.177	.181
12.6	.145	.149	.153	.156	.160	.164	.167	.171	.175	.179	.184
12.8	.147	.151	.155	.159	.162	.166	.170	.174	.178	.182	.186
13.0	.149	.153	.157	.161	.165	.169	.173	.177	.181	.185	.189
13.2	.151	.155	.159	.163	.167	.171	.175	.179	.183	.188	.192
13.4	.153	.157	.161	.165	.169	.173	.177	.181	.185	.189	.193
13.6	.155	.159	.163	.167	.171	.175	.179	.183	.187	.191	.195
13.8	.157	.161	.165	.169	.173	.177	.181	.185	.189	.193	.197
14.0	.159	.163	.167	.171	.175	.179	.183	.187	.191	.195	.199
14.2	.161	.165	.169	.173	.177	.181	.185	.189	.193	.197	.201

TABLE A-1 CONTINUED

TEMP DEG C	6.80	6.81	6.82	6.83	6.84	PH	6.86	6.87	6.88	6.89	6.90
14.0	160	164	167	171	175	179	183	186	192	197	200
14.2	162	166	170	174	178	182	186	189	195	200	204
14.4	165	169	173	177	181	185	189	192	198	203	207
14.6	167	171	175	179	183	187	191	194	200	205	209
14.8	170	174	178	182	186	190	194	197	203	208	212
15.0	172	176	181	185	189	193	198	201	207	212	217
15.2	175	179	183	188	192	196	201	206	210	215	220
15.4	178	182	186	190	195	199	204	209	214	219	224
15.6	180	184	189	193	198	202	207	212	217	222	227
15.8	183	187	192	196	201	205	210	215	220	225	230
16.0	186	190	195	199	204	209	213	218	223	229	234
16.2	189	193	198	203	207	212	217	222	227	233	238
16.4	192	196	201	205	210	215	220	225	230	236	241
16.6	194	199	204	209	213	218	223	228	233	239	245
16.8	197	202	207	211	216	221	226	231	236	242	248
17.0	200	205	210	215	220	225	230	235	241	246	252
17.2	203	208	213	218	223	228	233	238	244	249	255
17.4	206	211	216	221	226	231	236	241	247	252	258
17.6	209	214	219	224	229	234	239	244	250	255	261
17.8	213	218	223	228	233	238	243	248	254	259	265
18.0	216	221	226	231	236	241	246	251	257	262	268
18.2	219	224	229	234	239	244	249	254	260	265	271
18.4	222	227	232	237	242	247	252	257	263	268	274
18.6	226	231	236	241	246	251	256	261	267	272	278
18.8	229	234	239	244	249	254	259	264	270	275	281
19.0	233	238	243	248	253	258	263	268	274	279	285
19.2	236	241	246	251	256	261	266	271	277	282	288
19.4	239	244	249	254	259	264	269	274	280	285	291
19.6	243	248	253	258	263	268	273	278	284	289	295
19.8	247	252	257	262	267	272	277	282	288	293	299
20.0	251	256	261	266	271	276	281	286	292	297	303
20.2	255	260	265	270	275	280	285	290	296	301	307
20.4	259	264	269	274	279	284	289	294	300	305	311
20.6	263	268	273	278	283	288	293	298	304	309	315
20.8	267	272	277	282	287	292	297	302	308	313	319
21.0	271	276	281	286	291	296	301	306	312	317	323

TABLE A-1 CONTINUED

TEMP DEG C	6.80	6.81	6.82	6.83	6.84	PH 6.85	6.86	6.87	6.88	6.89	6.90
21.0	.269	.275	.281	.288	.295	.301	.308	.316	.328	.330	.338
21.2	.277	.283	.289	.296	.303	.306	.313	.320	.325	.335	.343
21.4	.281	.287	.294	.301	.308	.315	.322	.329	.337	.340	.348
21.6	.285	.291	.298	.305	.312	.319	.327	.334	.342	.350	.358
21.8	.289	.296	.302	.309	.317	.324	.332	.339	.347	.355	.363
22.0	.293	.300	.307	.314	.321	.329	.336	.344	.352	.360	.369
22.2	.297	.304	.311	.318	.326	.333	.341	.349	.357	.365	.374
22.4	.302	.309	.316	.323	.331	.338	.346	.354	.362	.371	.379
22.6	.306	.313	.320	.328	.335	.343	.351	.359	.368	.376	.385
22.8	.310	.318	.325	.332	.340	.348	.356	.364	.373	.382	.390
23.0	.315	.322	.330	.337	.345	.353	.361	.370	.378	.387	.396
23.2	.319	.327	.334	.342	.350	.358	.366	.375	.384	.393	.402
23.4	.323	.331	.339	.347	.355	.363	.372	.380	.389	.398	.407
23.6	.327	.336	.344	.352	.360	.368	.377	.386	.395	.404	.413
23.8	.331	.341	.349	.357	.365	.374	.382	.391	.400	.410	.419
24.0	.335	.346	.354	.362	.370	.379	.388	.397	.406	.415	.425
24.2	.338	.349	.357	.365	.373	.382	.391	.400	.412	.421	.431
24.4	.343	.355	.363	.372	.381	.390	.399	.408	.418	.427	.437
24.6	.347	.360	.368	.377	.386	.395	.405	.414	.424	.433	.443
24.8	.351	.365	.374	.383	.392	.401	.410	.420	.430	.440	.450
25.0	.355	.369	.378	.387	.396	.406	.415	.425	.435	.445	.455
25.2	.358	.373	.382	.391	.400	.410	.420	.430	.440	.450	.460
25.4	.363	.378	.387	.396	.405	.415	.425	.435	.445	.455	.465
25.6	.368	.383	.392	.401	.410	.420	.430	.440	.450	.460	.470
25.8	.373	.388	.397	.406	.415	.425	.435	.445	.455	.465	.475
26.0	.378	.393	.402	.411	.420	.430	.440	.450	.461	.472	.482
26.2	.384	.399	.408	.417	.426	.436	.446	.456	.467	.478	.489
26.4	.389	.404	.413	.423	.432	.442	.452	.463	.474	.485	.496
26.6	.394	.409	.419	.428	.438	.448	.458	.469	.480	.491	.502
26.8	.400	.415	.425	.434	.444	.454	.464	.475	.486	.497	.508
27.0	.406	.421	.431	.441	.451	.461	.471	.483	.494	.506	.517
27.2	.411	.427	.437	.447	.457	.468	.479	.490	.501	.513	.524
27.4	.417	.433	.443	.453	.463	.474	.485	.496	.508	.520	.531
27.6	.423	.439	.449	.459	.469	.480	.491	.502	.515	.527	.539
27.8	.429	.445	.455	.466	.476	.487	.498	.510	.523	.535	.547
28.0	.441	.457	.467	.478	.488	.499	.510	.522	.535	.548	.561

TABLE A-1 CONTINUED

TABLE PAGE 113

TEMP DEG C	6.80	6.81	6.82	6.83	6.84	PH 6.85	6.86	6.87	6.88	6.89	6.90
28.0	.441	.451	.461	.472	.483	.494	.506	.517	.529	.549	.562
28.2	.447	.457	.468	.479	.490	.501	.513	.525	.537	.557	.570
28.4	.453	.464	.474	.485	.496	.508	.520	.532	.544	.564	.577
28.6	.459	.470	.481	.492	.503	.515	.527	.539	.551	.571	.584
28.8	.466	.476	.488	.499	.510	.522	.534	.546	.559	.579	.592
29.0	.472	.483	.494	.506	.517	.529	.541	.554	.567	.587	.600
29.2	.479	.490	.501	.513	.525	.537	.549	.562	.575	.595	.608
29.4	.485	.496	.508	.520	.532	.544	.557	.570	.583	.603	.616
29.6	.492	.503	.515	.527	.539	.552	.564	.577	.591	.611	.624
29.8	.499	.510	.522	.534	.546	.559	.572	.585	.599	.619	.632
30.0	.505	.517	.529	.541	.554	.567	.580	.593	.607	.627	.640
30.2	.512	.524	.536	.549	.562	.575	.588	.601	.615	.635	.648
30.4	.519	.531	.544	.556	.569	.582	.596	.610	.624	.644	.657
30.6	.526	.539	.551	.564	.577	.590	.604	.618	.632	.652	.665
30.8	.534	.546	.559	.572	.585	.598	.612	.626	.641	.661	.674
31.0	.541	.553	.566	.579	.593	.607	.621	.635	.650	.670	.683
31.2	.548	.561	.574	.587	.601	.615	.629	.644	.658	.678	.691
31.4	.556	.569	.582	.595	.609	.623	.638	.652	.667	.687	.700
31.6	.563	.576	.590	.603	.617	.632	.646	.661	.676	.696	.709
31.8	.571	.584	.598	.611	.626	.640	.655	.670	.686	.706	.719
32.0	.579	.592	.606	.620	.634	.649	.664	.679	.695	.715	.728
32.2	.586	.600	.614	.628	.643	.657	.673	.688	.704	.724	.737
32.4	.594	.608	.622	.637	.651	.666	.682	.698	.714	.734	.747
32.6	.602	.616	.631	.645	.660	.675	.691	.707	.723	.743	.757
32.8	.610	.625	.639	.654	.669	.684	.700	.716	.733	.753	.767
33.0	.619	.633	.648	.663	.678	.694	.710	.726	.743	.760	.778
33.2	.627	.641	.656	.671	.687	.703	.719	.736	.753	.770	.788
33.4	.635	.650	.665	.680	.696	.712	.729	.746	.763	.780	.798
33.6	.644	.659	.674	.689	.705	.722	.738	.755	.773	.791	.809
33.8	.652	.667	.683	.699	.715	.731	.748	.766	.783	.801	.820
34.0	.661	.676	.692	.708	.724	.741	.758	.776	.794	.812	.831
34.2	.670	.685	.701	.717	.734	.751	.768	.786	.804	.823	.842
34.4	.679	.694	.711	.727	.744	.761	.779	.797	.815	.834	.853
34.6	.688	.704	.720	.737	.754	.771	.789	.807	.826	.845	.864
34.8	.697	.713	.729	.746	.764	.781	.799	.818	.837	.856	.876
35.0	.706	.722	.739	.756	.774	.792	.810	.829	.848	.867	.887

TABLE A-1 CONTINUED

TABLE PAGE 114

TEMP DEG C	6.80	6.81	6.82	6.83	6.84	PH 6.85	6.86	6.87	6.88	6.89	6.90
35.0	.706	.722	.739	.756	.774	.792	.810	.829	.848	.867	.887
35.2	.715	.732	.749	.766	.784	.802	.821	.839	.859	.877	.899
35.4	.725	.742	.759	.776	.794	.813	.831	.850	.870	.890	.911
35.6	.734	.751	.769	.787	.805	.823	.842	.862	.882	.902	.923
35.8	.744	.761	.779	.797	.815	.834	.853	.873	.893	.914	.935
36.0	.754	.771	.789	.807	.826	.845	.865	.885	.905	.925	.947
36.2	.764	.781	.799	.818	.837	.856	.876	.896	.917	.938	.960
36.4	.774	.792	.810	.829	.848	.867	.887	.908	.929	.950	.972
36.6	.784	.802	.821	.839	.859	.879	.899	.920	.941	.963	.985
36.8	.794	.812	.831	.850	.870	.890	.911	.932	.956	.978	.998
37.0	.805	.823	.842	.862	.881	.902	.923	.944	.966	.988	1.011
37.2	.815	.834	.853	.873	.893	.914	.935	.956	.978	1.001	1.024
37.4	.826	.845	.864	.884	.905	.925	.947	.969	.991	1.014	1.037
37.6	.836	.856	.875	.896	.916	.937	.959	.981	.994	1.020	1.054
37.8	.847	.867	.887	.907	.928	.950	.971	.994	1.017	1.040	1.078
38.0	.858	.878	.898	.919	.940	.962	.984	1.007	1.030	1.054	1.098
38.2	.869	.889	.910	.931	.952	.974	.997	1.023	1.047	1.077	1.126
38.4	.881	.901	.922	.943	.965	.987	1.010	1.036	1.060	1.091	1.149
38.6	.892	.912	.934	.955	.977	1.000	1.023	1.049	1.073	1.105	1.165
38.8	.903	.924	.946	.967	.990	1.012	1.036	1.063	1.088	1.123	1.194
39.0	.915	.936	.958	.980	1.002	1.025	1.049	1.079	1.109	1.149	1.225
39.2	.927	.948	.970	.992	1.015	1.039	1.063	1.097	1.126	1.167	1.255
39.4	.939	.960	.982	1.005	1.028	1.052	1.076	1.105	1.134	1.182	1.285
39.6	.951	.973	.995	1.018	1.041	1.065	1.090	1.119	1.148	1.207	1.325
39.8	.963	.985	1.008	1.031	1.055	1.079	1.104	1.134	1.167	1.237	1.375
40.0	.975	.998	1.021	1.044	1.068	1.093	1.118	1.149	1.187	1.267	1.425

TABLE A-1 CONTINUED

TABLE PAGE 115

TEMP DEG C	6.90	6.91	6.92	6.93	6.94	6.95	6.96	6.97	6.98	6.99	7.00
0	.0656	.0672	.0687	.0703	.0720	.0736	.0754	.0771	.0789	.0807	.0826
1	.0667	.0683	.0699	.0715	.0732	.0749	.0766	.0784	.0802	.0821	.0840
2	.0679	.0695	.0711	.0727	.0744	.0762	.0779	.0797	.0816	.0835	.0854
3	.0690	.0706	.0723	.0740	.0757	.0774	.0792	.0811	.0830	.0849	.0869
4	.0702	.0718	.0735	.0752	.0770	.0787	.0806	.0825	.0844	.0863	.0883
5	.0714	.0730	.0747	.0765	.0783	.0801	.0819	.0838	.0858	.0878	.0898
6	.0726	.0743	.0760	.0778	.0796	.0814	.0833	.0853	.0872	.0893	.0914
7	.0738	.0755	.0773	.0791	.0809	.0828	.0847	.0867	.0887	.0908	.0929
8	.0750	.0768	.0786	.0804	.0823	.0842	.0861	.0881	.0902	.0923	.0944
9	.0763	.0781	.0799	.0817	.0836	.0856	.0876	.0896	.0917	.0938	.0960
10	.0776	.0794	.0812	.0831	.0850	.0870	.0891	.0911	.0932	.0954	.0976
11	.0789	.0807	.0826	.0845	.0865	.0885	.0905	.0926	.0948	.0970	.0993
12	.0802	.0820	.0840	.0859	.0879	.0900	.0920	.0942	.0964	.0986	.1009
13	.0815	.0834	.0854	.0873	.0894	.0915	.0936	.0958	.0980	.1003	.1026
14	.0829	.0848	.0868	.0888	.0909	.0930	.0951	.0974	.0996	.1019	.1043
15	.0842	.0862	.0882	.0903	.0924	.0945	.0967	.0990	.1013	.1036	.1060
16	.0856	.0876	.0897	.0918	.0939	.0961	.0983	.1006	.1030	.1053	.1078
17	.0871	.0891	.0912	.0933	.0955	.0977	.1000	.1023	.1047	.1071	.1096
18	.0885	.0906	.0927	.0948	.0970	.0993	.1016	.1040	.1064	.1089	.1114
19	.0900	.0921	.0942	.0964	.0986	.1009	.1033	.1057	.1081	.1107	.1132
20	.0914	.0936	.0958	.0980	.1003	.1026	.1050	.1074	.1099	.1125	.1151
21	.0930	.0951	.0973	.0996	.1019	.1043	.1067	.1092	.1116	.1143	.1170
22	.0945	.0967	.0989	.1012	.1036	.1060	.1085	.1110	.1134	.1162	.1189
23	.0960	.0983	.1006	.1029	.1053	.1077	.1102	.1128	.1154	.1181	.1209
24	.0976	.0999	.1022	.1046	.1070	.1095	.1121	.1147	.1173	.1201	.1229
25	.0992	.1015	.1039	.1063	.1088	.1113	.1139	.1165	.1192	.1220	.1249
26	.101	.103	.106	.108	.111	.115	.116	.118	.123	.124	.127
27	.102	.105	.109	.110	.112	.115	.118	.120	.125	.126	.129
28	.104	.107	.111	.113	.116	.119	.120	.122	.127	.128	.131
29	.106	.108	.111	.115	.118	.121	.123	.126	.129	.132	.135
30	.108	.110	.113	.115	.118	.121	.123	.126	.129	.132	.135
31	.109	.114	.116	.119	.122	.125	.128	.130	.134	.137	.138
32	.111	.115	.118	.121	.124	.127	.130	.133	.136	.139	.142
33	.113	.117	.120	.123	.126	.129	.132	.135	.138	.141	.144
34	.115	.119	.122	.125	.128	.131	.134	.137	.140	.143	.147

TABLE A-1 CONTINUED

TEMP DEG C	6.90	6.91	6.92	6.93	6.94	PH 6.95	6.96	6.97	6.98	6.99	7.00
7.0	117	119	122	125	128	131	134	137	140	143	147
7.2	118	121	124	127	130	133	136	139	142	145	149
7.4	120	123	126	129	132	135	138	141	144	147	151
7.6	122	125	128	131	134	137	140	143	146	149	153
7.8	124	127	130	133	136	139	142	145	148	151	155
8.0	126	129	132	135	138	141	144	147	150	153	157
8.2	128	131	134	137	140	143	146	149	152	155	159
8.4	130	133	136	139	142	145	148	151	154	157	161
8.6	132	135	138	141	144	147	150	153	156	159	163
8.8	134	137	140	143	146	149	152	155	158	161	165
9.0	136	139	142	145	148	151	154	157	160	163	167
9.2	138	141	144	147	150	153	156	159	162	165	169
9.4	140	143	146	149	152	155	158	161	164	167	171
9.6	142	145	148	151	154	157	160	163	166	169	173
9.8	144	147	150	153	156	159	162	165	168	171	175
10.0	146	149	152	155	158	161	164	167	170	173	177
10.2	148	151	154	157	160	163	166	169	172	175	179
10.4	150	153	156	159	162	165	168	171	174	177	181
10.6	152	155	158	161	164	167	170	173	176	179	183
10.8	154	157	160	163	166	169	172	175	178	181	185
11.0	156	159	162	165	168	171	174	177	180	183	187
11.2	158	161	164	167	170	173	176	179	182	185	189
11.4	160	163	166	169	172	175	178	181	184	187	191
11.6	162	165	168	171	174	177	180	183	186	189	193
11.8	164	167	170	173	176	179	182	185	188	191	195
12.0	166	169	172	175	178	181	184	187	190	193	197
12.2	168	171	174	177	180	183	186	189	192	195	199
12.4	170	173	176	179	182	185	188	191	194	197	201
12.6	172	175	178	181	184	187	190	193	196	199	203
12.8	174	177	180	183	186	189	192	195	198	201	205
13.0	176	179	182	185	188	191	194	197	200	203	207
13.2	178	181	184	187	190	193	196	199	202	205	209
13.4	180	183	186	189	192	195	198	201	204	207	211
13.6	182	185	188	191	194	197	200	203	206	209	213
13.8	184	187	190	193	196	199	202	205	208	211	215
14.0	186	189	192	195	198	201	204	207	210	213	217
14.2	188	191	194	197	200	203	206	209	212	215	219
14.4	190	193	196	199	202	205	208	211	214	217	221
14.6	192	195	198	201	204	207	210	213	216	219	223
14.8	194	197	200	203	206	209	212	215	218	221	225
15.0	196	199	202	205	208	211	214	217	220	223	227
15.2	198	201	204	207	210	213	216	219	222	225	229
15.4	200	203	206	209	212	215	218	221	224	227	231
15.6	202	205	208	211	214	217	220	223	226	229	233
15.8	204	207	210	213	216	219	222	225	228	231	235
16.0	206	209	212	215	218	221	224	227	230	233	237
16.2	208	211	214	217	220	223	226	229	232	235	239
16.4	210	213	216	219	222	225	228	231	234	237	241
16.6	212	215	218	221	224	227	230	233	236	239	243
16.8	214	217	220	223	226	229	232	235	238	241	245
17.0	216	219	222	225	228	231	234	237	240	243	247
17.2	218	221	224	227	230	233	236	239	242	245	249
17.4	220	223	226	229	232	235	238	241	244	247	251
17.6	222	225	228	231	234	237	240	243	246	249	253
17.8	224	227	230	233	236	239	242	245	248	251	255
18.0	226	229	232	235	238	241	244	247	250	253	257

TABLE A-1 CONTINUED

TABLE PAGE 117

TEMP DEG C	6.90	6.91	6.92	6.93	6.94	PH 6.95	6.96	6.97	6.98	6.99	7.00
14.0	.201	.206	.211	.216	.221	.226	.231	.236	.245	.247	.253
14.2	.204	.209	.214	.219	.224	.229	.234	.240	.249	.251	.257
14.4	.207	.212	.217	.222	.227	.232	.237	.243	.253	.255	.261
14.6	.211	.215	.220	.225	.230	.235	.240	.246	.257	.259	.265
14.8	.214	.219	.224	.229	.234	.239	.244	.250	.261	.263	.269
15.0	.217	.222	.227	.232	.238	.243	.248	.255	.266	.267	.273
15.2	.220	.225	.231	.236	.241	.247	.252	.259	.269	.271	.277
15.4	.224	.229	.234	.239	.245	.250	.255	.263	.273	.275	.281
15.6	.227	.232	.238	.243	.249	.254	.260	.267	.277	.279	.286
15.8	.230	.235	.241	.247	.253	.259	.265	.271	.281	.283	.290
16.0	.234	.239	.245	.251	.256	.262	.269	.275	.285	.288	.294
16.2	.237	.243	.249	.254	.260	.266	.273	.279	.289	.292	.299
16.4	.241	.247	.252	.258	.264	.270	.277	.283	.290	.296	.303
16.6	.245	.250	.256	.262	.268	.274	.281	.287	.294	.301	.308
16.8	.248	.254	.260	.266	.272	.278	.285	.291	.298	.305	.312
17.0	.252	.258	.264	.270	.276	.283	.289	.296	.303	.310	.317
17.2	.256	.262	.268	.274	.280	.287	.294	.300	.307	.315	.322
17.4	.260	.266	.272	.278	.284	.291	.298	.305	.312	.319	.327
17.6	.264	.270	.276	.282	.288	.296	.303	.310	.317	.324	.332
17.8	.268	.274	.280	.287	.293	.300	.307	.314	.321	.329	.337
18.0	.271	.278	.284	.291	.298	.305	.312	.319	.326	.334	.342
18.2	.276	.282	.288	.295	.302	.309	.316	.324	.331	.339	.347
18.4	.280	.286	.293	.300	.307	.314	.321	.328	.336	.344	.352
18.6	.284	.290	.297	.304	.311	.318	.326	.333	.341	.349	.357
18.8	.288	.295	.302	.309	.316	.323	.331	.338	.346	.354	.362
19.0	.292	.299	.306	.313	.320	.328	.335	.343	.351	.359	.368
19.2	.297	.303	.310	.318	.325	.333	.340	.348	.356	.365	.373
19.4	.301	.308	.315	.322	.330	.338	.345	.353	.362	.370	.379
19.6	.305	.312	.320	.327	.335	.343	.350	.358	.367	.375	.384
19.8	.310	.317	.324	.332	.340	.348	.356	.364	.372	.381	.390
20.0	.314	.322	.329	.337	.345	.353	.361	.369	.378	.387	.396
20.2	.319	.326	.334	.342	.350	.358	.366	.375	.383	.392	.401
20.4	.324	.331	.339	.347	.355	.363	.371	.380	.389	.398	.407
20.6	.328	.336	.344	.352	.360	.368	.377	.386	.395	.404	.413
20.8	.333	.341	.349	.357	.365	.374	.382	.391	.400	.409	.418
21.0	.338	.346	.354	.362	.371	.379	.388	.397	.406	.416	.425

TABLE A-1 CONTINUED

TEMP DEG C	6.90	6.91	6.92	6.93	6.94	PH 6.95	6.96	6.97	6.98	6.99	7.00
21.0	338	346	354	362	371	379	388	397	406	416	425
21.2	348	356	364	373	381	385	399	409	412	422	431
21.4	353	361	370	378	387	390	405	415	424	434	444
21.6	358	367	375	384	393	396	411	421	430	440	451
21.8	363	372	380	389	398	408	417	427	437	447	457
22.0											
22.2	369	377	386	395	404	413	423	433	443	453	464
22.4	374	383	392	401	410	419	429	439	449	460	470
22.6	379	388	397	406	416	425	435	445	456	466	477
22.8	385	394	403	412	422	432	442	452	462	473	484
23.0	390	399	409	418	428	438	448	458	469	480	491
23.2											
23.4	396	405	415	424	434	444	454	465	476	487	498
23.6	402	411	420	430	440	450	461	472	482	494	505
23.8	407	417	427	436	447	457	467	478	489	501	512
24.0	413	423	433	443	453	463	474	485	496	508	520
24.2	419	429	439	449	459	470	481	492	503	515	527
24.4											
24.6	425	435	445	455	466	477	488	499	510	522	534
24.8	431	441	451	462	473	484	495	506	518	530	542
25.0	437	447	458	468	479	490	502	513	525	537	550
25.2	443	454	464	475	486	497	509	520	533	545	558
25.4	450	460	471	482	493	504	516	528	540	553	566
25.6											
25.8	456	467	478	489	500	512	523	536	548	561	574
26.0	463	473	484	496	507	519	531	543	556	569	582
26.2	469	480	491	503	514	526	538	550	563	577	590
26.4	476	487	498	510	521	533	545	558	571	585	598
26.6											
26.8	482	494	505	517	529	541	554	566	579	593	607
27.0	489	501	512	524	536	549	561	574	588	601	615
27.2	496	508	519	531	544	556	569	582	596	610	624
27.4	503	515	527	539	551	564	577	591	604	618	632
27.6	510	522	534	546	559	572	585	599	613	627	641
27.8	517	529	541	554	567	580	593	607	621	636	650
28.0											
28.2	524	537	549	562	575	588	602	616	630	644	659
28.4	532	544	557	570	583	596	610	624	639	653	668
28.6	539	552	564	578	591	605	619	633	648	662	677
28.8	547	559	572	586	599	613	627	641	657	672	687
29.0	554	567	580	594	607	621	636	651	666	681	697

TABLE A-1 CONTINUED

TABLE PAGE 119

TEMP DEG C	6.90	6.91	6.92	6.93	6.94	PH 6.95	6.96	6.97	6.98	6.99	7.00
28.0	.554	.567	.580	.594	.607	.621	.636	.651	.666	.681	.697
28.2	.562	.575	.588	.602	.616	.630	.645	.660	.675	.690	.706
28.4	.570	.583	.596	.610	.624	.639	.654	.669	.684	.700	.716
28.6	.578	.591	.605	.619	.633	.648	.663	.678	.693	.709	.726
28.8	.586	.599	.613	.627	.642	.657	.672	.687	.703	.719	.736
29.0	.594	.607	.621	.636	.651	.666	.681	.697	.713	.729	.746
29.2	.602	.616	.630	.645	.659	.675	.690	.706	.723	.739	.756
29.4	.610	.624	.639	.653	.668	.684	.700	.716	.733	.750	.767
29.6	.618	.633	.647	.662	.678	.693	.709	.726	.743	.760	.777
29.8	.627	.641	.656	.671	.687	.703	.719	.736	.753	.770	.788
30.0	.636	.650	.665	.681	.696	.713	.729	.746	.763	.781	.799
30.2	.644	.659	.674	.690	.706	.722	.739	.756	.773	.791	.810
30.4	.653	.668	.684	.699	.716	.732	.749	.766	.784	.802	.821
30.6	.662	.677	.693	.709	.725	.742	.759	.777	.795	.813	.832
30.8	.671	.686	.702	.719	.735	.752	.770	.787	.806	.824	.843
31.0	.680	.696	.712	.728	.745	.762	.780	.798	.816	.835	.855
31.2	.689	.705	.722	.738	.755	.773	.791	.809	.828	.847	.866
31.4	.699	.715	.731	.748	.765	.783	.801	.820	.839	.858	.878
31.6	.708	.724	.741	.758	.776	.794	.812	.831	.850	.870	.890
31.8	.718	.734	.751	.769	.786	.804	.823	.843	.862	.881	.902
32.0	.727	.744	.761	.779	.797	.815	.834	.853	.873	.893	.914
32.2	.737	.754	.772	.789	.808	.826	.845	.865	.885	.905	.926
32.4	.747	.764	.782	.800	.819	.837	.857	.877	.897	.917	.939
32.6	.757	.775	.792	.811	.830	.849	.868	.888	.909	.930	.951
32.8	.767	.785	.803	.822	.841	.860	.880	.900	.921	.942	.964
33.0	.778	.795	.814	.833	.852	.872	.892	.912	.933	.955	.977
33.2	.788	.806	.825	.844	.863	.883	.904	.924	.946	.968	.990
33.4	.798	.817	.836	.855	.875	.895	.916	.937	.958	.980	1.003
33.6	.809	.828	.847	.866	.886	.907	.928	.949	.971	.994	1.016
33.8	.820	.839	.858	.878	.898	.919	.940	.962	.984	1.007	1.030
34.0	.831	.850	.870	.890	.910	.931	.953	.975	.997	1.020	1.044
34.2	.842	.861	.881	.901	.922	.944	.965	.988	1.010	1.034	1.057
34.4	.853	.873	.893	.913	.935	.956	.978	1.001	1.023	1.047	1.086
34.6	.864	.884	.905	.926	.947	.969	.991	1.012	1.037	1.061	1.100
34.8	.876	.896	.917	.938	.959	.982	1.004	1.027	1.051	1.075	1.114
35.0	.887	.908	.929	.950	.972	.994	1.017	1.041	1.065	1.089	

TABLE A-1 CONTINUED

TABLE PAGE 120

TEMP DEG C	6.90	6.91	6.92	6.93	6.94	PH 6.95	6.96	6.97	6.98	6.99	7.00
35.0	.887	.908	.929	.950	.972	.994	1.017	1.041	1.069	1.089	1.109
35.4	.899	.920	.941	.963	.985	1.008	1.031	1.055	1.079	1.104	1.129
35.8	.911	.932	.953	.975	.998	1.021	1.044	1.068	1.093	1.118	1.144
36.2	.923	.944	.966	.988	1.011	1.034	1.058	1.082	1.107	1.133	1.159
36.6	.935	.957	.979	1.001	1.024	1.048	1.072	1.097	1.122	1.148	1.174
37.0	.947	.969	.991	1.014	1.038	1.062	1.086	1.111	1.137	1.163	1.190
37.4	.960	.982	1.004	1.028	1.051	1.075	1.100	1.126	1.151	1.178	1.205
37.8	.972	.995	1.018	1.041	1.065	1.089	1.115	1.140	1.167	1.193	1.221
38.2	.985	1.008	1.031	1.055	1.079	1.104	1.129	1.155	1.182	1.209	1.237
38.6	.998	1.021	1.044	1.068	1.091	1.115	1.144	1.170	1.197	1.225	1.253
39.0	1.01	1.03	1.06	1.08	1.11	1.13	1.16	1.19	1.21	1.24	1.27
39.4	1.02	1.05	1.07	1.10	1.12	1.15	1.17	1.20	1.23	1.26	1.29
39.8	1.04	1.07	1.09	1.12	1.14	1.16	1.19	1.22	1.25	1.28	1.31
40.2	1.05	1.08	1.10	1.13	1.15	1.18	1.20	1.23	1.26	1.29	1.32
40.6	1.06	1.09	1.11	1.14	1.17	1.19	1.22	1.25	1.28	1.31	1.34
41.0	1.08	1.11	1.13	1.16	1.18	1.21	1.24	1.27	1.30	1.33	1.36
41.4	1.09	1.12	1.14	1.17	1.20	1.23	1.26	1.29	1.32	1.35	1.38
41.8	1.11	1.13	1.15	1.18	1.21	1.24	1.27	1.30	1.33	1.36	1.39
42.2	1.13	1.16	1.18	1.21	1.24	1.27	1.30	1.33	1.36	1.39	1.42
42.6	1.15	1.18	1.20	1.23	1.26	1.29	1.32	1.35	1.38	1.41	1.44
43.0	1.17	1.20	1.22	1.25	1.28	1.31	1.34	1.37	1.40	1.43	1.46
43.4	1.19	1.22	1.24	1.27	1.30	1.33	1.36	1.39	1.42	1.45	1.48
43.8	1.21	1.24	1.26	1.29	1.32	1.35	1.38	1.41	1.44	1.47	1.50
44.2	1.23	1.26	1.28	1.31	1.34	1.37	1.40	1.43	1.46	1.49	1.52
44.6	1.25	1.28	1.30	1.33	1.36	1.39	1.42	1.45	1.48	1.51	1.54
45.0	1.27	1.30	1.32	1.35	1.38	1.41	1.44	1.47	1.50	1.53	1.56

TABLE A-1 CONTINUED

TABLE PAGE 121

TEMP DEG C	7.00	7.01	7.02	7.03	7.04	PH 7.05	7.06	7.07	7.08	7.09	7.10
0	.0826	.0845	.0865	.0885	.0906	.0927	.0948	.0971	.0993	.1016	.1040
.2	.0840	.0860	.0880	.0900	.0921	.0943	.0965	.0984	.1010	.1033	.1057
.4	.0854	.0874	.0895	.0915	.0937	.0959	.0981	.1004	.1027	.1051	.1075
.6	.0869	.0889	.0910	.0931	.0953	.0975	.0997	.1021	.1042	.1067	.1091
.8	.0883	.0904	.0925	.0947	.0969	.0991	.1014	.1038	.1062	.1087	.1112
1.0	.0898	.0919	.0941	.0963	.0985	.1008	.1031	.1055	.1080	.1105	.1131
1.2	.0914	.0935	.0957	.0979	.1002	.1025	.1049	.1073	.1098	.1124	.1150
1.4	.0929	.0950	.0973	.0995	.1018	.1040	.1064	.1091	.1117	.1142	.1169
1.6	.0944	.0966	.0989	.1012	.1035	.1057	.1082	.1109	.1135	.1161	.1189
1.8	.0960	.0983	.1005	.1029	.1053	.1077	.1102	.1127	.1154	.1181	.1209
2.0	.0976	.0999	.1022	.1046	.1070	.1095	.1121	.1147	.1174	.1201	.1229
2.2	.0993	.1016	.1039	.1064	.1088	.1114	.1140	.1166	.1193	.1221	.1249
2.4	.101	.1033	.1056	.108	.111	.113	.116	.119	.122	.1246	.127
2.6	.103	.105	.107	.110	.112	.115	.118	.121	.123	.126	.129
2.8	.104	.107	.109	.112	.114	.117	.120	.123	.125	.128	.131
3.0	.106	.109	.111	.114	.116	.119	.122	.125	.127	.130	.133
3.2	.108	.110	.113	.115	.118	.121	.124	.127	.130	.133	.136
3.4	.110	.112	.115	.117	.120	.123	.126	.129	.132	.135	.138
3.6	.111	.114	.117	.119	.122	.125	.128	.131	.134	.137	.140
3.8	.113	.116	.119	.121	.124	.127	.130	.133	.136	.139	.143
4.0	.115	.118	.121	.123	.126	.129	.132	.135	.138	.142	.145
4.2	.117	.120	.123	.125	.128	.131	.134	.137	.141	.144	.147
4.4	.119	.122	.125	.127	.130	.133	.137	.140	.143	.146	.150
4.6	.121	.124	.127	.130	.133	.136	.139	.142	.145	.149	.152
4.8	.123	.126	.129	.132	.135	.138	.141	.144	.148	.151	.155
5.0	.125	.128	.131	.134	.137	.140	.143	.147	.150	.154	.157
5.2	.127	.130	.133	.136	.139	.142	.146	.149	.153	.156	.160
5.4	.129	.132	.135	.138	.141	.145	.148	.151	.155	.159	.162
5.6	.131	.134	.137	.140	.144	.147	.150	.154	.158	.161	.165
5.8	.133	.136	.139	.143	.146	.150	.153	.156	.160	.164	.168
6.0	.135	.139	.142	.145	.148	.152	.155	.159	.163	.166	.170
6.2	.138	.141	.144	.147	.151	.154	.158	.162	.165	.169	.173
6.4	.140	.143	.146	.150	.153	.157	.160	.164	.168	.172	.176
6.6	.142	.145	.149	.152	.156	.159	.163	.167	.171	.175	.179
6.8	.144	.148	.151	.155	.158	.162	.166	.170	.174	.178	.182
7.0	.147	.150	.154	.157	.161	.165	.168	.172	.176	.180	.185

TABLE A-1 CONTINUED

TEMP DEG C	7.00	7.01	7.02	7.03	7.04	PH 7.05	7.06	7.07	7.08	7.09	7.10
7.0	147	150	154	157	161	165	168	172	176	180	185
7.2	149	153	156	160	163	167	171	175	179	183	188
7.4	151	155	159	162	166	170	174	178	182	186	191
7.6	154	157	161	165	169	173	177	181	185	189	194
7.8	156	160	164	167	171	175	179	183	187	191	195
8.0	159	163	166	170	174	178	182	186	190	194	198
8.2	161	165	169	173	177	181	185	189	193	197	200
8.4	164	168	172	176	180	184	188	192	196	200	203
8.6	167	170	174	178	182	186	190	194	198	202	206
8.8	169	173	177	181	185	189	193	197	201	205	209
9.0	172	176	180	184	188	192	196	200	204	208	211
9.2	175	179	183	187	191	195	199	203	207	211	215
9.4	177	181	185	189	193	197	201	205	209	213	217
9.6	180	184	188	192	196	200	204	208	212	216	220
9.8	183	187	191	195	199	203	207	211	215	219	223
10.0	186	190	194	198	202	206	210	214	218	222	226
10.2	189	193	197	201	205	209	213	217	221	225	229
10.4	192	196	200	204	208	212	216	220	224	228	232
10.6	195	199	203	207	211	215	219	223	227	231	235
10.8	198	202	206	210	214	218	222	226	230	234	238
11.0	201	205	209	213	217	221	225	229	233	237	241
11.2	204	208	212	216	220	224	228	232	236	240	244
11.4	207	211	215	219	223	227	231	235	239	243	247
11.6	210	214	218	222	226	230	234	238	242	246	250
11.8	213	217	221	225	229	233	237	241	245	249	253
12.0	216	220	224	228	232	236	240	244	248	252	256
12.2	219	223	227	231	235	239	243	247	251	255	259
12.4	222	226	230	234	238	242	246	250	254	258	262
12.6	225	229	233	237	241	245	249	253	257	261	265
12.8	228	232	236	240	244	248	252	256	260	264	268
13.0	231	235	239	243	247	251	255	259	263	267	271
13.2	234	238	242	246	250	254	258	262	266	270	274
13.4	237	241	245	249	253	257	261	265	269	273	277
13.6	240	244	248	252	256	260	264	268	272	276	280
13.8	243	247	251	255	259	263	267	271	275	279	283
14.0	246	250	254	258	262	266	270	274	278	282	286
14.2	249	253	257	261	265	269	273	277	281	285	289
14.4	252	256	260	264	268	272	276	280	284	288	292
14.6	255	259	263	267	271	275	279	283	287	291	295
14.8	258	262	266	270	274	278	282	286	290	294	298
15.0	261	265	269	273	277	281	285	289	293	297	301
15.2	264	268	272	276	280	284	288	292	296	300	304
15.4	267	271	275	279	283	287	291	295	299	303	307
15.6	270	274	278	282	286	290	294	298	302	306	310
15.8	273	277	281	285	289	293	297	301	305	309	313
16.0	276	280	284	288	292	296	300	304	308	312	316
16.2	279	283	287	291	295	299	303	307	311	315	319
16.4	282	286	290	294	298	302	306	310	314	318	322
16.6	285	289	293	297	301	305	309	313	317	321	325
16.8	288	292	296	300	304	308	312	316	320	324	328
17.0	291	295	299	303	307	311	315	319	323	327	331
17.2	294	298	302	306	310	314	318	322	326	330	334
17.4	297	301	305	309	313	317	321	325	329	333	337
17.6	300	304	308	312	316	320	324	328	332	336	340
17.8	303	307	311	315	319	323	327	331	335	339	343
18.0	306	310	314	318	322	326	330	334	338	342	346
18.2	309	313	317	321	325	329	333	337	341	345	349
18.4	312	316	320	324	328	332	336	340	344	348	352
18.6	315	319	323	327	331	335	339	343	347	351	355
18.8	318	322	326	330	334	338	342	346	350	354	358
19.0	321	325	329	333	337	341	345	349	353	357	361
19.2	324	328	332	336	340	344	348	352	356	360	364
19.4	327	331	335	339	343	347	351	355	359	363	367
19.6	330	334	338	342	346	350	354	358	362	366	370
19.8	333	337	341	345	349	353	357	361	365	369	373
20.0	336	340	344	348	352	356	360	364	368	372	376
20.2	339	343	347	351	355	359	363	367	371	375	379
20.4	342	346	350	354	358	362	366	370	374	378	382
20.6	345	349	353	357	361	365	369	373	377	381	385
20.8	348	352	356	360	364	368	372	376	380	384	388
21.0	351	355	359	363	367	371	375	379	383	387	391
21.2	354	358	362	366	370	374	378	382	386	390	394
21.4	357	361	365	369	373	377	381	385	389	393	397
21.6	360	364	368	372	376	380	384	388	392	396	400
21.8	363	367	371	375	379	383	387	391	395	399	403
22.0	366	370	374	378	382	386	390	394	398	402	406
22.2	369	373	377	381	385	389	393	397	401	405	409
22.4	372	376	380	384	388	392	396	400	404	408	412
22.6	375	379	383	387	391	395	399	403	407	411	415
22.8	378	382	386	390	394	398	402	406	410	414	418
23.0	381	385	389	393	397	401	405	409	413	417	421
23.2	384	388	392	396	400	404	408	412	416	420	424
23.4	387	391	395	399	403	407	411	415	419	423	427
23.6	390	394	398	402	406	410	414	418	422	426	430
23.8	393	397	401	405	409	413	417	421	425	429	433
24.0	396	400	404	408	412	416	420	424	428	432	436
24.2	399	403	407	411	415	419	423	427	431	435	439
24.4	402	406	410	414	418	422	426	430	434	438	442
24.6	405	409	413	417	421	425	429	433	437	441	445
24.8	408	412	416	420	424	428	432	436	440	444	448
25.0	411	415	419	423	427	431	435	439	443	447	451
25.2	414	418	422	426	430	434	438	442	446	450	454
25.4	417	421	425	429	433	437	441	445	449	453	457
25.6	420	424	428	432	436	440	444	448	452	456	460
25.8	423	427	431	435	439	443	447	451	455	459	463
26.0	426	430	434	438	442	446	450	454	458	462	466
26.2	429	433	437	441	445	449	453	457	461	465	469
26.4	432	436	440	444	448	452	456	460	464	468	472
26.6	435	439	443	447	451	455	459	463	467	471	475
26.8	438	442	446	450	454	458	462	466	470	474	478
27.0	441	445	449	453	457	461	465	469	473	477	481
27.2	444	448	452	456	460	464	468	472	476	480	484
27.4	447	451	455	459	463	467	471	475	479	483	487
27.6	450	454	458	462	466	470	474	478	482	486	490
27.8	453	457	461	465	469	473	477	481	485	489	493
28.0	456	460	464	468	472	476	480	484	488	492	496
28.2	459	463	467	471	475	479	483	487	491	495	499
28.4	462	466	470	474	478	482	486	490	494	498	502
28.6	465	469	473	477	481	485	489	493	497	501	505
28.8	468	472	476	480	484	488	492	496	500	504	508
29.0	471	475	479	483	487	491	495	499	503	507	511
29.2	474	478	482	486	490	494	498	502	506	510	514
29.4	477	481	485	489	493	497	501	505	509	513	517
29.6	480	484	488	492	496	500	504	508	512	516	520
29.8	483	487	491	495	499	503	507	511	515	519	523
30.0	486	490	494	498	502	506	510	514	518	522	526
30.2	489	493	497	501	505	509	513	517	521	525	529
30.4	492	496	500	504	508	512	516	520	524	528	532
30.6	495										

TABLE A-1 CONTINUED

TEMP DEG C	7.00	7.01	7.02	7.03	7.04	PH 7.05	7.06	7.07	7.08	7.09	7.10
14.0	253	259	265	271	277	284	290	297	304	311	318
14.2	257	263	269	275	282	288	295	302	309	316	323
14.4	261	267	273	280	286	292	299	306	314	321	328
14.6	265	271	277	284	290	297	304	311	318	326	333
14.8	269	275	282	288	295	302	309	316	323	331	338
15.0	273	279	286	292	299	306	313	321	328	336	343
15.2	277	284	290	297	304	311	318	325	333	341	349
15.4	281	288	295	301	308	316	323	330	338	346	354
15.6	286	292	299	306	313	320	328	335	343	351	359
15.8	290	297	304	311	318	325	333	340	348	356	362
16.0	294	301	308	315	323	330	338	346	354	362	370
16.2	299	306	313	320	328	335	343	351	359	367	376
16.4	303	310	318	325	332	340	348	356	364	373	382
16.6	308	315	322	330	337	345	353	361	369	378	387
16.8	312	320	327	335	343	351	359	367	375	384	393
17.0	317	325	332	340	348	356	364	372	381	390	399
17.2	322	329	337	345	353	361	369	378	387	396	405
17.4	327	334	342	350	358	366	375	384	393	402	411
17.6	332	339	347	355	363	372	381	389	398	408	417
17.8	337	344	352	361	369	377	386	395	404	414	423
18.0	342	349	358	366	374	383	392	401	410	420	430
18.2	347	355	363	371	380	389	398	407	416	426	436
18.4	352	360	368	377	386	395	404	413	423	432	442
18.6	357	365	374	382	391	400	409	419	429	439	449
18.8	362	371	379	388	397	406	416	425	435	445	456
19.0	368	376	385	394	403	412	422	432	442	452	462
19.2	373	382	391	400	409	418	428	438	448	459	469
19.4	379	387	396	405	415	425	434	444	455	465	476
19.6	384	393	402	411	421	431	441	451	461	472	483
19.8	390	399	408	418	427	437	447	457	468	479	490
20.0	396	405	414	424	433	444	454	464	475	486	497
20.2	401	411	420	430	440	450	460	471	482	493	505
20.4	407	417	426	436	446	457	467	478	489	500	512
20.6	413	423	433	443	453	463	474	485	496	508	520
20.8	419	429	439	449	459	470	481	492	504	515	527
21.0	425	435	445	456	466	477	488	499	511	523	535

TABLE A-1 CONTINUED

TEMP DEG C	7.00	7.01	7.02	7.03	7.04	PH 7.05	7.06	7.07	7.08	7.09	7.10
21.0	425	435	445	456	466	477	488	499	511	523	535
21.2	431	441	452	462	473	484	495	507	518	530	543
21.4	438	448	458	469	480	491	502	514	526	538	550
21.6	444	454	465	476	487	498	510	521	533	546	558
21.8	451	461	472	483	494	505	517	529	541	554	567
22.0	457	468	478	490	501	513	524	537	549	562	575
22.2	464	474	485	497	508	520	532	544	557	570	583
22.4	470	481	492	504	515	527	540	552	565	578	591
22.6	477	488	499	511	523	535	547	560	573	586	600
22.8	484	495	507	518	530	543	555	568	581	595	609
23.0	491	502	514	526	538	551	563	576	590	603	617
23.2	498	510	521	533	546	558	571	585	598	612	626
23.4	505	517	529	541	554	566	580	593	607	621	635
23.6	512	524	536	549	561	574	588	601	615	630	644
23.8	520	533	544	557	570	583	596	610	624	639	653
24.0	527	539	552	565	578	591	605	619	633	648	663
24.2	535	547	560	573	586	599	613	627	642	657	672
24.4	542	555	568	581	594	608	622	636	651	666	682
24.6	550	563	576	589	603	617	631	645	660	676	691
24.8	558	571	584	597	611	625	640	655	670	685	701
25.0	566	579	592	606	620	634	649	664	679	695	711
25.2	574	587	600	614	629	643	658	673	689	705	721
25.4	582	595	609	623	637	652	667	683	699	715	731
25.6	590	604	618	632	646	661	677	692	708	725	741
25.8	598	612	626	641	656	671	686	702	718	735	752
26.0	607	621	635	650	665	680	696	712	728	745	762
26.2	615	629	644	659	674	690	706	722	739	756	773
26.4	624	638	653	668	684	699	716	732	749	766	784
26.6	632	647	662	677	693	709	726	742	759	777	795
26.8	641	656	671	687	703	719	736	753	770	788	806
27.0	650	665	681	696	713	729	746	763	781	799	817
27.2	659	675	690	706	723	739	756	774	792	810	829
27.4	669	684	700	716	733	749	767	785	803	821	840
27.6	678	694	710	726	743	760	778	795	814	834	854
27.8	687	703	719	736	753	770	788	806	825	844	864
28.0	697	713	729	746	763	781	799	818	837	856	876

TABLE A-1 CONTINUED

TABLE PAGE 125

TEMP DEG C	7.00	7.01	7.02	7.03	7.04	PH 7.05	7.06	7.07	7.08	7.09	7.10
28.0	697	713	729	746	763	781	799	818	837	856	876
28.2	706	723	739	757	774	792	810	829	848	868	888
28.4	716	733	750	767	785	803	821	840	860	880	900
28.6	726	743	760	778	796	814	833	852	872	892	912
28.8	736	753	770	788	807	825	844	864	884	904	925
29.0	746	763	781	799	818	836	856	876	896	916	938
29.2	756	774	792	810	829	848	868	888	908	929	950
29.4	767	785	803	821	840	860	879	899	921	942	963
29.6	777	795	814	832	852	871	891	912	933	955	977
29.8	788	806	825	844	863	883	904	925	946	968	990
30.0	799	817	836	855	875	895	916	937	959	981	1.003
30.2	810	828	847	867	887	908	928	950	975	994	1.017
30.4	821	840	859	879	899	920	941	963	988	1.008	1.031
30.6	832	851	871	891	911	932	954	979	1.002	1.021	1.045
30.8	843	863	883	903	924	945	967	989	1.012	1.035	1.059
31.0	855	874	895	915	936	958	980	1.003	1.026	1.049	1.073
31.2	866	886	907	928	949	971	993	1.016	1.040	1.064	1.088
31.4	878	898	919	940	962	984	1.007	1.030	1.054	1.078	1.103
31.6	890	910	931	953	975	997	1.020	1.044	1.068	1.092	1.117
31.8	902	923	944	966	988	1.011	1.034	1.058	1.082	1.107	1.132
32.0	914	935	957	979	1.001	1.024	1.048	1.072	1.097	1.122	1.148
32.2	926	948	969	992	1.015	1.038	1.062	1.086	1.111	1.137	1.163
32.4	939	960	982	1.005	1.028	1.052	1.076	1.101	1.126	1.152	1.179
32.6	951	973	996	1.019	1.042	1.066	1.091	1.116	1.141	1.168	1.195
32.8	964	986	1.009	1.032	1.056	1.080	1.105	1.131	1.157	1.183	1.211
33.0	977	999	1.022	1.046	1.070	1.095	1.120	1.146	1.172	1.199	1.227
33.2	990	1.013	1.036	1.060	1.084	1.109	1.135	1.161	1.188	1.215	1.243
33.4	1.002	1.025	1.048	1.072	1.096	1.121	1.147	1.173	1.200	1.226	1.253
33.6	1.014	1.037	1.060	1.084	1.108	1.133	1.158	1.184	1.210	1.236	1.263
33.8	1.026	1.049	1.072	1.096	1.120	1.145	1.170	1.196	1.222	1.248	1.275
34.0	1.038	1.061	1.084	1.108	1.132	1.157	1.182	1.208	1.234	1.260	1.287
34.2	1.050	1.073	1.096	1.120	1.144	1.169	1.194	1.220	1.246	1.272	1.300
34.4	1.062	1.085	1.108	1.132	1.156	1.181	1.206	1.232	1.258	1.284	1.312
34.6	1.074	1.097	1.120	1.144	1.168	1.193	1.218	1.244	1.270	1.296	1.324
34.8	1.086	1.109	1.132	1.156	1.180	1.205	1.230	1.256	1.282	1.308	1.336
35.0	1.098	1.121	1.144	1.168	1.192	1.217	1.242	1.268	1.294	1.320	1.348

TABLE A-1 CONTINUED

TABLE PAGE 126

TEMP DEG C	7.00	7.01	7.02	7.03	7.04	PH 5	7.06	7.07	7.08	7.09	7.10
35.0	1.11	1.14	1.17	1.19	1.22	1.25	1.28	1.31	1.34	1.37	1.40
35.2	1.13	1.16	1.18	1.21	1.24	1.27	1.30	1.33	1.35	1.39	1.42
35.4	1.14	1.17	1.20	1.22	1.25	1.28	1.31	1.34	1.37	1.40	1.44
35.6	1.16	1.19	1.21	1.24	1.27	1.30	1.33	1.36	1.39	1.42	1.45
35.8	1.17	1.20	1.23	1.26	1.29	1.32	1.35	1.38	1.41	1.44	1.47
36.0	1.19	1.22	1.24	1.27	1.30	1.33	1.36	1.39	1.43	1.46	1.49
36.2	1.1	1.23	1.26	1.29	1.32	1.35	1.38	1.41	1.45	1.48	1.51
36.4	1.22	1.25	1.28	1.31	1.34	1.37	1.40	1.43	1.46	1.50	1.53
36.6	1.24	1.28	1.31	1.34	1.37	1.39	1.42	1.45	1.48	1.52	1.55
36.8	1.25	1.29	1.33	1.36	1.39	1.42	1.45	1.49	1.52	1.56	1.59
37.0	1.27	1.30	1.33	1.36	1.39	1.42	1.45	1.49	1.52	1.56	1.59
37.2	1.29	1.32	1.35	1.38	1.41	1.44	1.47	1.51	1.54	1.58	1.61
37.4	1.30	1.33	1.36	1.39	1.43	1.46	1.49	1.53	1.56	1.60	1.63
37.6	1.32	1.35	1.38	1.41	1.44	1.48	1.51	1.55	1.58	1.62	1.65
37.8	1.34	1.37	1.40	1.43	1.46	1.50	1.53	1.57	1.60	1.64	1.68
38.0	1.35	1.38	1.42	1.45	1.48	1.52	1.55	1.59	1.62	1.66	1.70
38.2	1.37	1.40	1.43	1.47	1.50	1.54	1.57	1.61	1.64	1.68	1.72
38.4	1.39	1.42	1.45	1.49	1.52	1.56	1.59	1.63	1.66	1.70	1.74
38.6	1.41	1.44	1.47	1.51	1.54	1.58	1.61	1.65	1.69	1.72	1.76
38.8	1.42	1.46	1.49	1.53	1.56	1.60	1.63	1.67	1.71	1.75	1.79
39.0	1.44	1.48	1.51	1.55	1.58	1.62	1.65	1.69	1.73	1.77	1.81
39.2	1.46	1.49	1.53	1.56	1.60	1.64	1.67	1.71	1.75	1.79	1.83
39.4	1.50	1.53	1.55	1.58	1.62	1.66	1.69	1.73	1.77	1.81	1.85
39.6	1.52	1.55	1.57	1.60	1.64	1.68	1.72	1.76	1.80	1.84	1.88
39.8	1.54	1.57	1.59	1.62	1.66	1.70	1.74	1.78	1.82	1.86	1.90
40.0	1.55	1.57	1.61	1.64	1.68	1.72	1.76	1.80	1.84	1.88	1.93

TABLE A-1 CONTINUED

TEMP DEG C	7.10	7.11	7.12	7.13	7.14	PH 7.15	7.16	7.17	7.18	7.19	7.20
0	104	106	109	111	114	119	119	124	125	128	131
2	106	108	111	115	116	119	121	126	127	130	133
4	108	110	113	117	118	121	123	128	129	132	135
6	109	112	115	119	122	125	126	131	134	137	140
8	111	114	116	121	124	127	130	133	136	139	142
1	113	116	118	123	126	129	132	135	138	141	145
2	115	118	120	125	128	131	134	137	141	144	147
4	117	120	122	127	130	133	136	140	143	146	150
6	119	122	124	129	133	136	139	143	145	149	153
8	121	124	127	132	135	138	141	144	148	151	155
1	123	126	129	134	137	140	143	147	150	154	158
2	125	128	131	136	139	142	146	149	153	156	160
4	127	130	133	138	141	144	148	151	155	159	163
6	129	132	135	140	143	146	150	153	157	161	165
8	131	134	137	142	145	148	152	155	159	163	167
2	133	136	139	144	147	150	154	157	161	165	169
4	135	138	141	146	149	152	156	159	163	167	171
6	137	140	143	148	151	154	158	161	165	169	173
8	139	142	145	150	153	156	160	163	167	171	175
2	141	144	147	152	155	158	162	165	169	173	177
4	143	146	149	154	157	160	164	167	171	175	179
6	145	148	151	156	159	162	166	169	173	177	181
8	147	150	153	158	161	164	168	171	175	179	183
2	149	152	155	160	163	166	170	173	177	181	185
4	151	154	157	162	165	168	172	175	179	183	187
6	153	156	159	164	167	170	174	177	181	185	189
8	155	158	161	166	169	172	176	179	183	187	191
2	157	160	163	168	171	174	178	181	185	189	193
4	159	162	165	170	173	176	180	183	187	191	195
6	161	164	167	172	175	178	182	185	189	193	197
8	163	166	169	174	177	180	184	187	191	195	199
2	165	168	171	176	179	182	186	189	193	197	201
4	167	170	173	178	181	184	188	191	195	199	203
6	169	172	175	180	183	186	190	193	197	201	205
8	171	174	177	182	185	188	192	195	199	203	207
2	173	176	179	184	187	190	194	197	201	205	209
4	175	178	181	186	189	192	196	199	203	207	211
6	177	180	183	188	191	194	198	201	205	209	213
8	179	182	185	190	193	196	200	203	207	211	215
2	181	184	187	192	195	198	202	205	209	213	217
4	183	186	189	194	197	200	204	207	211	215	219
6	185	188	191	196	199	202	206	209	213	217	221
8	187	190	193	198	201	204	208	211	215	219	223
2	189	192	195	200	203	206	210	213	217	221	225
4	191	194	197	202	205	208	212	215	219	223	227
6	193	196	199	204	207	210	214	217	221	225	229
8	195	198	201	206	209	212	216	219	223	227	231

TABLE A-1 CONTINUED

TABLE PAGE 128

TEMP DEG C	7.10	7.11	7.12	7.13	7.14	PH 7.15	7.16	7.17	7.18	7.19	7.20
7.0	185	189	193	198	202	207	212	217	225	227	232
7.2	188	192	196	204	209	210	215	220	229	231	236
7.4	191	195	200	207	212	214	219	224	233	238	244
7.6	194	198	203	211	216	217	222	227	236	242	248
7.8	197	201	206	214	219	224	229	235	240	246	252
8.0	200	205	209	218	223	228	233	239	248	250	256
8.2	203	208	213	221	226	231	237	242	248	254	260
8.4	206	211	216	225	230	235	241	246	252	258	264
8.6	210	214	219	228	233	238	244	250	256	262	268
8.8	213	218	223	232	237	243	248	254	260	266	272
9.0	216	221	226	235	240	246	252	258	264	270	276
9.2	220	225	230	239	245	250	256	262	268	274	280
9.4	223	228	234	243	249	254	260	266	272	278	284
9.6	227	232	237	247	253	258	264	270	276	282	288
9.8	230	235	241	251	256	262	269	275	281	287	293
10.0	234	239	245	255	261	267	273	279	285	291	297
10.2	238	243	249	259	265	271	277	283	289	295	301
10.4	241	247	253	263	269	275	281	287	293	299	305
10.6	245	251	257	267	273	279	285	291	297	303	309
10.8	249	255	261	271	277	284	290	296	302	308	314
11.0	253	259	265	275	281	288	294	300	306	312	318
11.2	257	263	269	279	285	292	298	304	310	316	322
11.4	261	267	273	283	289	296	302	308	314	320	326
11.6	265	271	277	287	293	300	306	312	318	324	330
11.8	269	275	281	291	297	304	310	316	322	328	334
12.0	273	280	286	296	302	309	315	321	327	333	339
12.2	277	284	291	301	307	314	320	326	332	338	344
12.4	282	288	295	305	311	318	324	330	336	342	348
12.6	286	293	300	310	316	323	329	335	341	347	353
12.8	291	297	304	314	320	327	333	339	345	351	357
13.0	295	302	309	319	325	332	338	344	350	356	362
13.2	300	307	314	324	330	337	343	349	355	361	367
13.4	304	311	318	328	334	341	347	353	359	365	371
13.6	309	316	323	333	339	346	352	358	364	370	376
13.8	314	321	328	338	344	351	357	363	369	375	381
14.0	318	326	333	343	349	356	362	368	374	380	386

TABLE A-1 CONTINUED

TABLE PAGE 129

TEMP DEG C	7.10	7.11	7.12	7.13	7.14	PH 7.15	7.16	7.17	7.18	7.19	7.20
14.0	318	326	333	341	349	357	365	374	383	391	401
14.2	323	331	338	346	354	362	371	380	388	397	407
14.4	328	336	344	352	360	368	377	385	394	404	413
14.6	333	341	349	357	365	374	382	391	400	410	419
14.8	338	346	354	362	370	379	388	397	406	416	426
15.0	343	351	360	368	376	385	394	403	413	422	432
15.2	349	357	365	374	382	391	400	409	419	429	439
15.4	354	362	371	379	388	397	406	416	425	435	445
15.6	359	368	376	385	394	403	412	422	432	442	452
15.8	365	373	382	391	400	409	419	428	438	448	459
16.0	370	379	388	397	406	415	425	435	445	455	466
16.2	376	385	393	403	412	422	431	441	452	462	473
16.4	382	390	399	409	418	428	438	448	458	469	480
16.6	387	396	405	415	424	434	444	455	465	476	487
16.8	393	402	411	421	431	441	451	461	472	483	494
17.0	399	408	418	427	437	447	458	468	479	490	502
17.2	405	414	424	434	444	454	465	475	486	498	509
17.4	411	420	430	440	450	461	472	482	494	505	517
17.6	417	427	437	447	457	468	479	490	501	513	525
17.8	423	433	443	453	464	475	486	497	508	520	532
18.0	430	440	450	460	471	482	493	504	516	528	540
18.2	436	446	456	467	478	489	500	512	524	536	548
18.4	442	453	463	474	485	496	508	519	531	544	556
18.6	449	459	470	481	492	504	515	527	539	552	565
18.8	456	466	477	488	499	511	523	535	547	560	573
19.0	462	473	484	495	507	519	531	543	555	568	581
19.2	469	480	491	503	514	526	538	551	564	577	590
19.4	476	487	498	510	522	534	546	559	572	585	599
19.6	483	494	506	517	529	542	554	567	580	594	607
19.8	490	502	514	525	537	550	562	575	589	602	616
20.0	497	509	521	533	545	558	571	584	597	611	625
20.2	505	516	528	541	553	566	579	592	606	620	635
20.4	512	524	536	548	561	574	587	601	615	629	644
20.6	520	532	544	556	569	583	596	610	624	638	653
20.8	527	539	552	565	578	591	605	619	633	648	663
21.0	535	547	560	573	586	600	614	628	642	657	672

TABLE A-1 CONTINUED

TABLE PAGE 130

TEMP DEG C	7.10	7.11	7.12	7.13	7.14	PH 7.15	7.16	7.17	7.18	7.19	7.20
21.0	.535	.547	.560	.573	.586	.600	.614	.628	.642	.657	.672
21.2	.543	.555	.568	.581	.595	.608	.622	.637	.652	.667	.682
21.4	.550	.563	.576	.590	.603	.617	.631	.646	.661	.676	.692
21.6	.558	.571	.585	.598	.612	.626	.641	.655	.671	.686	.702
21.8	.567	.580	.593	.607	.621	.635	.650	.665	.680	.696	.712
22.0	.575	.588	.602	.616	.630	.644	.659	.675	.690	.706	.722
22.2	.583	.596	.610	.624	.639	.654	.669	.684	.700	.716	.733
22.4	.591	.605	.619	.633	.648	.663	.678	.694	.710	.727	.743
22.6	.600	.614	.628	.643	.657	.673	.688	.704	.720	.737	.754
22.8	.609	.623	.637	.652	.667	.682	.698	.714	.731	.748	.765
23.0	.617	.632	.646	.661	.676	.692	.708	.724	.741	.758	.776
23.2	.626	.641	.655	.671	.686	.702	.718	.735	.752	.769	.787
23.4	.635	.650	.665	.680	.696	.712	.728	.745	.763	.780	.798
23.6	.644	.659	.674	.690	.706	.722	.739	.756	.773	.791	.810
23.8	.653	.668	.684	.700	.716	.732	.749	.767	.784	.803	.821
24.0	.663	.678	.694	.710	.726	.743	.760	.778	.796	.814	.833
24.2	.672	.688	.704	.720	.736	.753	.771	.789	.807	.826	.845
24.4	.682	.697	.714	.730	.747	.764	.782	.800	.818	.837	.857
24.6	.691	.707	.724	.740	.757	.775	.793	.811	.830	.849	.869
24.8	.701	.717	.734	.751	.768	.786	.804	.823	.842	.861	.881
25.0	.711	.727	.744	.761	.779	.797	.815	.834	.854	.873	.893
25.2	.721	.738	.755	.772	.790	.808	.827	.846	.866	.886	.906
25.4	.731	.748	.765	.783	.801	.820	.839	.858	.878	.898	.919
25.6	.741	.759	.776	.794	.812	.831	.850	.870	.890	.911	.932
25.8	.752	.769	.787	.805	.824	.843	.862	.882	.903	.923	.945
26.0	.762	.780	.798	.817	.835	.855	.874	.895	.915	.936	.958
26.2	.773	.791	.809	.828	.847	.867	.887	.907	.928	.950	.971
26.4	.784	.802	.821	.840	.859	.879	.899	.920	.941	.963	.985
26.6	.795	.813	.832	.851	.871	.891	.912	.933	.954	.976	.999
26.8	.806	.825	.844	.863	.883	.904	.924	.946	.968	.990	1.013
27.0	.817	.836	.855	.875	.895	.916	.937	.959	.981	1.004	1.027
27.2	.829	.848	.867	.887	.908	.929	.950	.972	.995	1.018	1.041
27.4	.840	.860	.879	.900	.920	.942	.963	.986	1.008	1.032	1.055
27.6	.852	.872	.892	.912	.933	.955	.977	.999	1.022	1.046	1.070
27.8	.864	.884	.904	.925	.946	.968	.990	1.013	1.037	1.060	1.085
28.0	.876	.896	.916	.938	.959	.981	1.004	1.027	1.051	1.075	1.100

TABLE A-1 CONTINUED

TABLE PAGE 131

TEMP DEG C	7.10	7.11	7.12	7.13	7.14	PH 7.15	7.16	7.17	7.18	7.19	7.20
28.0											
28.2	876	896	916	938	959	981	1.004	1.027	1.051	1.075	1.105
28.4	888	908	929	951	973	995	1.018	1.041	1.065	1.090	1.113
28.6	900	921	942	964	986	999	1.032	1.055	1.079	1.105	1.130
28.8	912	933	955	977	999	1.003	1.046	1.070	1.095	1.120	1.146
29.0	925	946	968	990	1.013	1.037	1.060	1.085	1.110	1.135	1.162
29.2	938	959	981	1.004	1.027	1.051	1.075	1.100	1.125	1.151	1.178
29.4	950	972	995	1.018	1.041	1.065	1.090	1.115	1.141	1.167	1.194
29.6	963	986	1.008	1.032	1.055	1.080	1.105	1.130	1.156	1.183	1.210
29.8	977	999	1.022	1.046	1.070	1.095	1.120	1.146	1.172	1.199	1.226
30.0	990	1.013	1.036	1.060	1.084	1.112	1.135	1.161	1.188	1.215	1.243
30.2	1.00	1.023	1.045	1.067	1.090	1.112	1.135	1.161	1.188	1.215	1.243
30.4	1.023	1.045	1.067	1.090	1.112	1.135	1.161	1.188	1.215	1.243	1.271
30.6	1.045	1.067	1.090	1.112	1.135	1.161	1.188	1.215	1.243	1.271	1.300
30.8	1.067	1.090	1.112	1.135	1.161	1.188	1.215	1.243	1.271	1.300	1.330
31.0	1.090	1.112	1.135	1.161	1.188	1.215	1.243	1.271	1.300	1.330	1.360
31.2	1.112	1.135	1.161	1.188	1.215	1.243	1.271	1.300	1.330	1.360	1.390
31.4	1.135	1.161	1.188	1.215	1.243	1.271	1.300	1.330	1.360	1.390	1.420
31.6	1.161	1.188	1.215	1.243	1.271	1.300	1.330	1.360	1.390	1.420	1.450
31.8	1.188	1.215	1.243	1.271	1.300	1.330	1.360	1.390	1.420	1.450	1.480
32.0	1.215	1.243	1.271	1.300	1.330	1.360	1.390	1.420	1.450	1.480	1.510
32.2	1.243	1.271	1.300	1.330	1.360	1.390	1.420	1.450	1.480	1.510	1.540
32.4	1.271	1.300	1.330	1.360	1.390	1.420	1.450	1.480	1.510	1.540	1.570
32.6	1.300	1.330	1.360	1.390	1.420	1.450	1.480	1.510	1.540	1.570	1.600
32.8	1.330	1.360	1.390	1.420	1.450	1.480	1.510	1.540	1.570	1.600	1.630
33.0	1.360	1.390	1.420	1.450	1.480	1.510	1.540	1.570	1.600	1.630	1.660
33.2	1.390	1.420	1.450	1.480	1.510	1.540	1.570	1.600	1.630	1.660	1.690
33.4	1.420	1.450	1.480	1.510	1.540	1.570	1.600	1.630	1.660	1.690	1.720
33.6	1.450	1.480	1.510	1.540	1.570	1.600	1.630	1.660	1.690	1.720	1.750
33.8	1.480	1.510	1.540	1.570	1.600	1.630	1.660	1.690	1.720	1.750	1.780
34.0	1.510	1.540	1.570	1.600	1.630	1.660	1.690	1.720	1.750	1.780	1.810
34.2	1.540	1.570	1.600	1.630	1.660	1.690	1.720	1.750	1.780	1.810	1.840
34.4	1.570	1.600	1.630	1.660	1.690	1.720	1.750	1.780	1.810	1.840	1.870
34.6	1.600	1.630	1.660	1.690	1.720	1.750	1.780	1.810	1.840	1.870	1.900
34.8	1.630	1.660	1.690	1.720	1.750	1.780	1.810	1.840	1.870	1.900	1.930
35.0	1.660	1.690	1.720	1.750	1.780	1.810	1.840	1.870	1.900	1.930	1.960

TEMP DEG C	7.10	7.11	7.12	7.13	7.14	PH 7.15	7.16	7.17	7.18	7.19	7.20
35.0	1.40	1.43	1.46	1.50	1.53	1.55	1.62	1.66	1.70	1.74	1.78
35.2	1.42	1.45	1.48	1.52	1.55	1.57	1.64	1.68	1.72	1.76	1.80
35.4	1.44	1.47	1.50	1.54	1.57	1.59	1.66	1.70	1.74	1.78	1.82
35.6	1.45	1.49	1.52	1.56	1.59	1.61	1.68	1.72	1.76	1.80	1.84
35.8	1.47	1.51	1.54	1.58	1.61	1.63	1.70	1.74	1.78	1.82	1.86
36.0	1.49	1.53	1.56	1.60	1.63	1.65	1.72	1.76	1.80	1.84	1.88
36.2	1.51	1.55	1.58	1.62	1.65	1.67	1.74	1.78	1.82	1.86	1.90
36.4	1.53	1.57	1.60	1.64	1.67	1.69	1.76	1.80	1.84	1.88	1.92
36.6	1.55	1.59	1.62	1.66	1.69	1.71	1.78	1.82	1.86	1.90	1.94
36.8	1.57	1.61	1.64	1.68	1.71	1.73	1.80	1.84	1.88	1.92	1.96
37.0	1.59	1.63	1.66	1.70	1.73	1.75	1.82	1.86	1.90	1.94	1.98
37.2	1.61	1.65	1.68	1.72	1.75	1.77	1.84	1.88	1.92	1.96	2.00
37.4	1.63	1.67	1.70	1.74	1.77	1.79	1.86	1.90	1.94	1.98	2.02
37.6	1.65	1.69	1.72	1.76	1.79	1.81	1.88	1.92	1.96	2.00	2.04
37.8	1.67	1.71	1.74	1.78	1.81	1.83	1.90	1.94	1.98	2.02	2.06
38.0	1.70	1.74	1.77	1.81	1.84	1.86	1.93	1.97	2.01	2.05	2.09
38.2	1.72	1.76	1.79	1.83	1.86	1.88	1.95	2.00	2.04	2.08	2.12
38.4	1.74	1.78	1.81	1.85	1.88	1.90	1.97	2.02	2.06	2.10	2.14
38.6	1.76	1.80	1.83	1.87	1.90	1.92	1.99	2.04	2.08	2.12	2.16
38.8	1.78	1.82	1.85	1.89	1.92	1.94	2.01	2.06	2.10	2.14	2.18
39.0	1.81	1.85	1.88	1.92	1.95	1.97	2.04	2.09	2.13	2.17	2.21
39.2	1.83	1.87	1.90	1.94	1.97	1.99	2.06	2.11	2.15	2.19	2.23
39.4	1.86	1.90	1.93	1.97	2.00	2.02	2.09	2.14	2.18	2.22	2.26
39.6	1.88	1.92	1.95	1.99	2.02	2.04	2.11	2.16	2.20	2.24	2.28
39.8	1.90	1.94	1.97	2.01	2.04	2.06	2.13	2.18	2.22	2.26	2.30
40.0	1.93	1.97	2.00	2.04	2.07	2.09	2.16	2.21	2.25	2.29	2.33

TABLE A-1 CONTINUED

TABLE PAGE 133

TEMP DEG C	7.20	7.21	7.22	7.23	7.24	PH 7.25	7.26	7.27	7.28	7.29	7.30
0	131	134	137	140	143	147	150	154	157	161	165
2	133	136	139	143	146	149	153	156	160	164	167
4	135	138	142	145	148	152	155	159	163	167	170
6	138	141	144	147	151	154	158	162	166	170	173
8	140	143	147	150	153	157	161	164	168	172	176
1.0	142	146	149	152	156	160	163	167	171	175	179
1.2	145	148	152	155	159	163	166	170	174	178	182
1.4	147	151	154	158	164	168	172	176	180	184	188
1.6	150	153	157	160	167	171	175	179	183	187	191
1.8	152	156	159	166	170	173	178	182	186	190	195
2.0	155	158	162	168	172	176	180	185	189	193	198
2.2	157	161	165	171	175	179	183	188	192	197	201
2.4	160	164	167	174	178	182	187	191	195	200	205
2.6	163	166	170	177	181	185	190	194	199	203	208
2.8	165	169	173	180	184	188	193	197	202	207	211
3.0	168	172	176	183	187	191	196	201	205	210	215
3.2	171	175	179	186	190	195	199	204	209	213	218
3.4	174	178	182	189	193	198	203	207	212	217	222
3.6	176	181	185	192	197	201	206	211	216	221	226
3.8	179	184	188	195	200	204	209	214	219	224	229
4.0	182	187	191	198	203	207	212	217	222	227	232
4.2	185	190	194	201	206	210	215	220	225	230	235
4.4	188	193	197	205	210	214	219	224	229	234	239
4.6	191	196	200	208	213	217	222	227	232	237	242
4.8	195	199	204	212	217	221	226	231	236	241	246
5.0	198	202	207	215	220	224	229	234	239	244	249
5.2	201	205	210	218	223	227	232	237	242	247	252
5.4	204	209	214	222	227	231	236	241	246	251	256
5.6	211	216	221	229	234	238	243	248	253	258	263
5.8	214	219	224	232	237	241	246	251	256	261	266
6.0	218	223	228	236	241	245	250	255	260	265	270
6.2	221	226	231	239	244	248	253	258	263	268	273
6.4	225	230	235	243	248	252	257	262	267	272	277
6.6	229	234	239	247	252	256	261	266	271	276	281
6.8	232	237	242	250	255	259	264	269	274	279	284
7.0		238	243	251	256	260	265	270	275	280	285

TABLE A-1 CONTINUED

TABLE PAGE 134

TEMP DEG C	7.20	7.21	7.22	7.23	7.24	PH 7.25	7.26	7.27	7.28	7.29	7.30
7.0	232	238	243	249	259	261	267	273	279	286	297
7.2	236	241	247	253	259	265	271	277	284	290	297
7.4	240	245	251	257	263	269	275	282	288	295	302
7.6	244	249	255	261	267	273	280	286	293	300	307
7.8	248	253	259	265	271	278	284	291	297	304	311
8.0	252	257	263	269	276	282	289	295	302	309	316
8.2	256	261	268	274	280	287	293	300	307	314	321
8.4	260	266	272	278	285	291	298	305	312	319	327
8.6	264	270	276	283	289	296	303	310	317	324	332
8.8	268	274	281	288	294	301	307	315	322	329	337
9.0	272	278	285	292	298	305	312	320	327	335	342
9.2	276	283	289	296	303	310	317	325	332	340	348
9.4	281	287	294	301	308	315	322	330	337	345	353
9.6	285	292	299	306	313	320	327	335	343	351	359
9.8	290	297	303	310	318	325	333	340	348	356	362
10.0	294	301	308	315	323	330	338	346	354	362	370
10.2	299	306	313	320	328	335	343	351	359	368	376
10.4	304	311	318	325	333	341	349	357	365	373	382
10.6	308	316	323	330	338	346	354	362	371	379	388
10.8	313	321	328	336	344	351	360	368	376	385	394
11.0	318	326	333	341	349	357	365	374	382	391	400
11.2	323	331	338	346	354	362	371	379	388	397	407
11.4	328	336	344	352	360	368	377	385	394	403	413
11.6	333	341	349	357	365	374	383	391	400	410	419
11.8	339	347	355	363	371	380	388	397	407	416	426
12.0	344	352	360	368	377	386	394	404	413	423	432
12.2	349	357	365	374	383	392	401	410	419	429	439
12.4	355	363	371	380	389	398	407	416	426	436	446
12.6	360	368	377	386	395	404	413	423	432	443	453
12.8	366	374	383	392	401	410	419	429	439	449	460
13.0	371	380	389	398	407	416	426	436	446	456	467
13.2	377	386	395	404	413	423	432	443	453	463	474
13.4	383	392	401	410	419	429	439	449	459	470	481
13.6	389	398	407	416	426	436	446	456	467	478	489
13.8	395	404	413	423	432	442	453	463	474	485	496
14.0	401	410	419	429	439	449	460	470	481	492	504

TABLE A-1 CONTINUED

TEMP DEG C	7.20	7.21	7.22	7.23	7.24	PH 7.25	7.26	7.27	7.28	7.29	7.30
14.0	.401	.410	.419	.429	.439	.449	.460	.470	.481	.492	.504
14.2	.407	.416	.426	.436	.446	.456	.467	.477	.489	.500	.511
14.4	.413	.422	.432	.442	.452	.462	.473	.483	.496	.507	.519
14.6	.419	.428	.438	.448	.458	.468	.479	.489	.504	.515	.527
14.8	.426	.435	.445	.455	.465	.475	.486	.497	.511	.523	.535
15.0	.432	.442	.452	.463	.473	.484	.496	.507	.519	.531	.543
15.2	.439	.449	.459	.470	.481	.492	.503	.515	.527	.539	.551
15.4	.445	.456	.466	.477	.488	.499	.511	.523	.535	.547	.560
15.6	.452	.462	.473	.484	.495	.507	.519	.531	.543	.555	.568
15.8	.459	.469	.480	.491	.503	.514	.526	.537	.550	.562	.577
16.0	.466	.476	.488	.499	.510	.522	.534	.547	.559	.572	.586
16.2	.473	.484	.495	.506	.518	.530	.542	.555	.568	.581	.594
16.4	.480	.491	.502	.514	.526	.538	.551	.563	.576	.590	.603
16.6	.487	.498	.510	.522	.534	.546	.559	.572	.585	.598	.612
16.8	.494	.506	.517	.529	.542	.554	.567	.580	.594	.607	.621
17.0	.502	.513	.525	.537	.550	.563	.576	.589	.603	.617	.631
17.2	.509	.521	.533	.545	.558	.571	.584	.598	.612	.626	.640
17.4	.517	.529	.541	.554	.566	.580	.593	.607	.621	.635	.650
17.6	.525	.537	.549	.562	.575	.588	.602	.616	.630	.645	.659
17.8	.532	.545	.557	.570	.583	.597	.611	.624	.639	.654	.670
18.0	.540	.553	.566	.579	.592	.606	.620	.634	.649	.664	.679
18.2	.548	.561	.574	.587	.601	.615	.629	.644	.658	.674	.689
18.4	.556	.569	.582	.596	.610	.624	.638	.653	.668	.684	.698
18.6	.565	.578	.591	.605	.619	.633	.648	.663	.678	.694	.710
18.8	.573	.586	.600	.614	.628	.642	.657	.672	.688	.704	.720
19.0	.581	.595	.609	.623	.637	.652	.667	.682	.698	.714	.731
19.2	.590	.604	.618	.632	.647	.661	.677	.692	.708	.725	.742
19.4	.599	.613	.627	.641	.656	.671	.687	.702	.719	.735	.752
19.6	.607	.622	.636	.651	.666	.681	.697	.713	.729	.746	.764
19.8	.616	.631	.645	.660	.675	.691	.707	.723	.740	.757	.775
20.0	.625	.640	.655	.670	.685	.701	.717	.734	.751	.768	.786
20.2	.635	.649	.664	.680	.695	.711	.728	.745	.762	.780	.799
20.4	.644	.658	.674	.690	.705	.722	.738	.756	.773	.791	.809
20.6	.653	.668	.684	.700	.716	.732	.749	.767	.784	.802	.821
20.8	.663	.678	.694	.710	.726	.743	.760	.778	.796	.814	.835
21.0	.672	.688	.704	.720	.737	.754	.771	.789	.807	.826	.845

TEMP DEG C	7.20	7.21	7.22	7.23	7.24	PH 7.25	7.26	7.27	7.28	7.29	7.30
21.0	672	688	704	720	737	754	771	789	807	826	845
21.2	682	698	714	731	748	765	782	800	819	838	857
21.4	692	708	724	742	759	776	794	812	831	850	869
21.6	702	718	735	753	770	788	806	824	843	862	881
21.8	712	729	745	763	780	798	817	836	855	875	895
22.0	722	739	756	774	792	810	829	848	867	887	908
22.2	733	750	767	785	803	822	840	860	879	899	919
22.4	743	761	778	796	815	833	853	872	892	912	932
22.6	754	771	789	808	826	845	865	885	905	925	945
22.8	765	783	801	819	838	857	877	897	917	937	957
23.0	776	794	812	831	850	870	890	910	931	951	971
23.2	787	805	824	843	862	882	902	922	942	962	983
23.4	798	817	835	855	875	895	915	935	955	975	995
23.6	810	829	847	867	887	907	927	947	967	987	1.007
23.8	821	840	859	879	900	920	940	960	980	1.000	1.020
24.0	833	852	872	892	912	933	955	977	1.000	1.023	1.046
24.2	845	864	884	904	925	947	962	985	1.005	1.027	1.050
24.4	857	876	897	917	938	960	982	1.005	1.025	1.047	1.070
24.6	869	889	909	930	952	974	996	1.010	1.030	1.052	1.075
24.8	881	901	922	943	965	987	1.010	1.030	1.050	1.071	1.093
25.0	893	914	935	957	979	1.001	1.024	1.048	1.071	1.094	1.117
25.2	906	927	948	970	993	1.015	1.038	1.063	1.087	1.111	1.135
25.4	919	940	962	984	1.007	1.030	1.053	1.078	1.102	1.127	1.151
25.6	932	953	975	998	1.021	1.044	1.068	1.093	1.117	1.142	1.166
25.8	945	967	989	1.012	1.035	1.059	1.083	1.108	1.132	1.157	1.181
26.0	958	980	1.003	1.026	1.049	1.074	1.098	1.124	1.148	1.174	1.198
26.2	971	994	1.017	1.040	1.064	1.089	1.114	1.140	1.165	1.191	1.216
26.4	985	1.008	1.031	1.055	1.079	1.104	1.129	1.155	1.180	1.206	1.231
26.6	999	1.022	1.045	1.069	1.094	1.119	1.145	1.171	1.197	1.223	1.249
26.8	1.013	1.035	1.057	1.080	1.102	1.125	1.148	1.172	1.196	1.221	1.246
27.0	1.027	1.049	1.071	1.094	1.117	1.140	1.163	1.187	1.211	1.236	1.261
27.2	1.041	1.063	1.085	1.108	1.131	1.154	1.177	1.201	1.225	1.250	1.275
27.4	1.055	1.077	1.099	1.122	1.145	1.168	1.191	1.215	1.239	1.264	1.289
27.6	1.069	1.091	1.113	1.136	1.159	1.182	1.205	1.229	1.253	1.278	1.303
27.8	1.083	1.105	1.127	1.150	1.173	1.196	1.219	1.243	1.267	1.292	1.317
28.0	1.097	1.119	1.141	1.164	1.187	1.210	1.233	1.257	1.281	1.306	1.331

TABLE A-1 CONTINUED

TABLE PAGE 137

TEMP DEG C	7.20	7.21	7.22	7.23	7.24	PH 7.25	7.26	7.27	7.28	7.29	7.30
28.0	1.10	1.13	1.15	1.18	1.20	3.23	1.26	1.29	1.33	1.35	1.38
28.2	1.11	1.14	1.17	1.19	1.22	3.25	1.28	1.31	1.34	1.37	1.40
28.4	1.11	1.16	1.20	1.23	1.26	3.28	1.31	1.34	1.37	1.40	1.43
28.6	1.11	1.17	1.22	1.26	1.29	3.30	1.33	1.36	1.39	1.42	1.45
29.0	1.11	1.20	1.23	1.26	1.29	3.32	1.35	1.38	1.41	1.44	1.48
29.2	1.11	1.22	1.25	1.28	1.31	3.34	1.37	1.40	1.43	1.46	1.50
29.4	1.11	1.23	1.27	1.30	1.33	3.36	1.39	1.42	1.45	1.48	1.52
29.6	1.11	1.24	1.28	1.31	1.34	3.37	1.41	1.44	1.47	1.50	1.54
29.8	1.11	1.25	1.29	1.32	1.35	3.39	1.42	1.45	1.48	1.51	1.55
30.0	1.11	1.29	1.32	1.35	1.38	3.41	1.44	1.47	1.51	1.55	1.58
30.2	1.11	1.31	1.34	1.37	1.40	3.43	1.46	1.49	1.53	1.57	1.60
30.4	1.11	1.32	1.35	1.38	1.41	3.45	1.48	1.51	1.55	1.59	1.62
30.6	1.11	1.33	1.36	1.39	1.42	3.47	1.50	1.53	1.57	1.61	1.64
30.8	1.11	1.34	1.37	1.40	1.43	3.49	1.52	1.55	1.59	1.63	1.66
31.0	1.11	1.35	1.38	1.41	1.44	3.51	1.54	1.57	1.62	1.65	1.68
31.2	1.11	1.40	1.43	1.46	1.49	3.53	1.57	1.60	1.66	1.69	1.72
31.4	1.11	1.42	1.45	1.48	1.51	3.55	1.59	1.62	1.68	1.71	1.74
31.6	1.11	1.44	1.47	1.50	1.53	3.57	1.61	1.64	1.70	1.73	1.76
31.8	1.11	1.45	1.48	1.51	1.54	3.59	1.63	1.66	1.72	1.75	1.78
32.0	1.11	1.49	1.53	1.56	1.59	3.61	1.65	1.68	1.74	1.77	1.81
32.2	1.11	1.51	1.55	1.58	1.61	3.64	1.67	1.70	1.76	1.79	1.83
32.4	1.11	1.53	1.57	1.60	1.63	3.66	1.69	1.72	1.78	1.81	1.85
32.6	1.11	1.55	1.59	1.62	1.65	3.68	1.71	1.74	1.80	1.83	1.87
32.8	1.11	1.57	1.61	1.64	1.67	3.70	1.73	1.76	1.82	1.85	1.89
33.0	1.11	1.60	1.64	1.67	1.70	3.72	1.75	1.78	1.84	1.87	1.91
33.2	1.11	1.62	1.66	1.69	1.72	3.74	1.77	1.80	1.86	1.89	1.93
33.4	1.11	1.64	1.68	1.71	1.74	3.76	1.79	1.82	1.88	1.91	1.95
33.6	1.11	1.66	1.70	1.73	1.76	3.78	1.81	1.84	1.90	1.93	1.97
33.8	1.11	1.68	1.72	1.75	1.78	3.80	1.83	1.86	1.92	1.95	1.99
34.0	1.11	1.70	1.74	1.77	1.80	3.82	1.85	1.88	1.94	1.97	2.00
34.2	1.11	1.73	1.77	1.80	1.83	3.84	1.87	1.90	1.96	1.99	2.02
34.4	1.11	1.75	1.79	1.82	1.85	3.86	1.89	1.92	1.98	2.01	2.04
34.6	1.11	1.77	1.81	1.84	1.87	3.88	1.91	1.94	2.00	2.03	2.06
35.0	1.11	1.80	1.84	1.87	1.90	3.90	1.93	1.96	2.02	2.05	2.08
35.2	1.11	1.81	1.85	1.88	1.91	3.92	1.94	1.97	2.03	2.06	2.09
35.4	1.11	1.83	1.87	1.90	1.93	3.94	1.96	1.99	2.05	2.08	2.11
35.6	1.11	1.85	1.89	1.92	1.95	3.96	1.98	2.01	2.07	2.10	2.13
35.8	1.11	1.87	1.91	1.94	1.97	3.98	1.99	2.02	2.08	2.11	2.14
36.0	1.11	1.89	1.93	1.96	1.99	3.99	2.00	2.03	2.09	2.12	2.15

TABLE A-1 CONTINUED

TABLE PAGE 138

TEMP DEG C	7.20	7.21	7.22	7.23	7.24	PH 7.25	7.26	7.27	7.28	7.29	7.30
35.0	1.75	1.80	1.84	1.88	1.92	1.96	2.01	2.06	2.10	2.15	2.20
35.2	1.78	1.82	1.86	1.90	1.94	1.98	2.03	2.08	2.13	2.18	2.23
35.4	1.80	1.84	1.88	1.93	1.97	2.02	2.07	2.11	2.16	2.21	2.26
35.6	1.82	1.87	1.91	1.95	2.00	2.04	2.09	2.14	2.19	2.24	2.29
35.8	1.87	1.92	1.96	2.00	2.05	2.10	2.14	2.19	2.24	2.29	2.35
36.0	1.90	1.94	1.98	2.03	2.08	2.13	2.17	2.22	2.27	2.32	2.38
36.2	1.92	1.97	2.01	2.06	2.11	2.15	2.20	2.25	2.30	2.35	2.41
36.4	1.95	1.99	2.04	2.08	2.13	2.18	2.23	2.28	2.33	2.38	2.44
36.6	1.97	2.02	2.06	2.11	2.16	2.21	2.26	2.31	2.36	2.41	2.47
36.8	2.00	2.04	2.09	2.14	2.18	2.23	2.28	2.33	2.38	2.43	2.50
37.0	2.05	2.09	2.14	2.19	2.24	2.29	2.34	2.39	2.44	2.49	2.56
37.2	2.07	2.12	2.17	2.22	2.27	2.32	2.37	2.42	2.47	2.52	2.59
37.4	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.63
37.6	2.13	2.18	2.23	2.28	2.33	2.38	2.43	2.48	2.53	2.58	2.66
38.0	2.18	2.23	2.28	2.33	2.38	2.43	2.48	2.53	2.58	2.63	2.70
38.2	2.23	2.28	2.33	2.38	2.43	2.48	2.53	2.58	2.63	2.68	2.77
38.4	2.26	2.31	2.36	2.41	2.46	2.51	2.56	2.61	2.66	2.71	2.80
38.6	2.29	2.34	2.39	2.44	2.49	2.54	2.59	2.64	2.69	2.74	2.84
38.8	2.32	2.37	2.42	2.47	2.52	2.57	2.62	2.67	2.72	2.77	2.87
39.0	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.91
39.2	2.38	2.43	2.48	2.53	2.58	2.63	2.68	2.73	2.78	2.83	2.98
39.4	2.41	2.46	2.51	2.56	2.61	2.66	2.71	2.76	2.81	2.86	3.02

TEMP DEG C	7.30	7.31	7.32	7.33	7.34	PH 7.35	7.36	7.37	7.38	7.39	7.40
0	165	169	172	176	181	185	189	193	198	203	207
.2	167	171	175	179	184	188	192	197	201	206	211
.4	170	174	178	182	187	191	196	200	205	209	214
.6	173	177	181	186	190	194	199	203	208	213	218
.8	176	180	184	189	193	198	202	207	212	217	222
1.0	179	183	188	192	196	201	206	210	215	220	225
1.2	182	186	191	195	200	204	209	214	219	223	228
1.4	185	189	194	198	203	208	213	217	223	228	233
1.6	188	193	197	202	206	211	216	221	226	231	237
1.8	191	196	200	205	210	215	220	225	230	235	241
2.0	195	199	204	209	213	218	223	229	234	239	245
2.2	198	202	207	212	217	222	227	232	238	243	249
2.4	201	206	211	216	221	226	231	236	242	247	253
2.6	205	209	214	219	224	229	235	240	246	251	257
2.8	208	213	218	223	228	233	239	244	250	256	262
3.0	211	216	221	226	232	237	243	248	254	260	266
3.2	215	220	225	230	236	241	247	252	258	264	270
3.4	218	223	229	234	239	245	251	257	262	269	275
3.6	222	227	233	238	243	249	255	261	267	273	279
3.8	226	231	236	241	247	253	259	265	271	277	283
4.0	229	235	240	246	251	257	263	269	276	282	289
4.2	233	239	244	250	256	262	268	274	280	287	293
4.4	237	242	248	254	260	266	272	278	285	291	298
4.6	241	246	252	258	264	270	276	282	289	296	303
4.8	245	251	256	262	268	275	281	288	294	301	308
5.0	249	255	261	267	273	279	286	292	299	306	313
5.2	253	259	265	271	277	284	290	297	304	311	318
5.4	257	263	269	275	282	288	295	302	309	316	323
5.6	261	267	273	280	286	293	300	307	314	321	329
5.8	265	272	278	284	291	298	305	312	319	326	334
6.0	270	276	282	289	296	303	310	317	324	332	339
6.2	274	280	287	294	300	307	315	322	329	337	345
6.4	279	285	292	298	305	312	320	327	335	342	350
6.6	283	290	296	303	310	317	325	332	340	348	356
6.8	288	294	301	308	315	323	330	337	346	354	362
7.0	292	299	306	313	320	328	335	343	351	359	368

TABLE A-1 CONTINUED

TABLE PAGE 140

TEMP DEG C	7.30	7.31	7.32	7.33	7.34	PH 7.35	7.36	7.37	7.38	7.39	7.40
7.0	292	299	306	313	320	328	335	343	351	359	368
7.2	297	304	311	318	325	333	341	349	357	365	374
7.4	302	309	316	323	331	338	346	354	362	371	380
7.6	307	314	321	328	336	344	352	360	368	377	386
7.8	311	319	326	334	341	349	357	366	374	383	392
8.0	316	324	331	339	347	355	363	372	380	389	398
8.2	321	329	337	344	352	361	369	377	386	395	404
8.4	327	334	342	350	358	366	375	383	392	401	411
8.6	332	339	347	355	363	371	381	390	399	408	417
8.8	337	345	353	361	369	378	387	396	405	414	424
9.0	342	350	358	367	375	384	393	402	411	421	431
9.2	348	356	364	373	381	390	399	408	418	428	437
9.4	353	362	370	379	387	396	405	415	424	434	444
9.6	359	367	376	384	393	403	412	422	431	441	451
9.8	365	373	382	391	400	409	418	428	438	448	459
10.0	370	379	388	397	406	415	425	435	445	455	466
10.2	376	385	394	403	412	422	432	442	452	462	473
10.4	382	391	400	409	419	428	438	449	459	470	480
10.6	388	397	406	416	425	435	445	456	466	477	488
10.8	394	403	413	422	433	444	455	465	476	487	498
11.0	400	410	419	429	439	449	459	470	481	492	503
11.2	407	416	426	435	446	456	466	477	488	500	511
11.4	413	422	432	442	452	463	474	485	496	507	519
11.6	419	429	439	449	460	470	481	492	504	515	527
11.8	426	436	446	456	467	477	489	500	511	523	535
12.0	432	442	453	463	474	485	496	508	519	531	544
12.2	439	449	460	470	481	492	504	515	527	540	552
12.4	446	456	467	478	489	500	512	523	536	548	561
12.6	453	463	474	485	496	508	520	532	544	556	569
12.8	460	470	481	492	504	516	528	540	552	565	578
13.0	467	478	489	500	512	523	536	548	561	574	587
13.2	474	485	496	508	520	532	544	556	569	583	596
13.4	481	492	504	516	527	540	552	565	578	591	605
13.6	489	500	512	523	536	548	561	574	587	601	614
13.8	496	508	519	531	544	556	569	583	596	610	624
14.0	504	515	527	540	552	565	578	591	605	619	633

TABLE A-1 CONTINUED

TABLE PAGE 141

TEMP DEG C	7.30	7.31	7.32	7.33	7.34	PH 7.35	7.36	7.37	7.38	7.39	7.40
14.0	504	515	527	540	552	565	578	591	605	619	633
14.2	511	523	535	548	560	572	587	600	614	628	643
14.4	519	531	544	556	568	582	596	609	623	638	653
14.6	527	539	552	565	578	591	605	619	633	648	663
14.8	535	548	560	573	586	600	614	628	643	658	673
15.0	543	556	569	582	595	609	623	638	652	668	683
15.2	551	564	577	591	604	618	633	647	662	678	693
15.4	560	573	586	600	614	628	642	657	672	688	704
15.6	568	581	595	609	623	637	652	667	682	698	714
15.8	577	590	604	618	632	647	662	677	693	709	725
16.0	586	599	613	627	642	657	672	687	703	719	736
16.2	594	608	622	637	651	666	682	698	714	730	747
16.4	603	617	632	646	661	676	692	708	724	741	758
16.6	612	627	641	656	671	687	703	719	735	752	770
16.8	622	636	651	666	681	697	714	729	746	764	781
17.0	631	645	660	676	691	707	724	740	757	775	793
17.2	640	655	670	686	702	718	734	751	769	786	805
17.4	650	665	680	696	712	728	745	763	780	798	817
17.6	659	675	690	706	723	739	756	774	792	810	829
17.8	669	685	701	717	733	750	768	785	804	822	841
18.0	679	695	711	727	744	761	779	797	815	834	854
18.2	689	705	721	738	755	773	791	809	827	847	866
18.4	699	716	732	749	766	784	802	821	840	859	879
18.6	710	726	743	760	778	796	814	833	852	872	892
18.8	720	737	754	771	789	807	826	845	865	885	905
19.0	731	748	765	783	801	819	838	858	877	898	918
19.2	742	759	776	794	813	831	851	870	890	911	932
19.4	752	770	788	806	824	844	863	883	903	924	945
19.6	764	781	799	818	837	856	876	896	917	938	959
19.8	775	793	811	830	849	868	888	909	930	951	973
20.0	786	804	823	842	861	881	901	922	944	965	988
20.2	798	816	835	854	874	894	915	936	957	979	1.002
20.4	809	828	847	867	887	907	928	949	971	994	1.017
20.6	821	840	859	879	899	920	941	963	985	1.008	1.031
20.8	833	852	872	892	912	934	955	977	1.000	1.023	1.046
21.0	845	86	884	905	926	947	969	991	1.014	1.037	1.061

TABLE A-1 CONTINUED

TABLE PAGE 142

TEMP DEG C	7.30	7.31	7.32	7.33	7.34	PH	7.36	7.37	7.38	7.39	7.40
21.0	.845	.864	.884	.905	.926	.947	.969	.991	1.014	1.037	1.061
21.2	.857	.877	.897	.918	.939	.961	.983	1.006	1.029	1.052	1.077
21.4	.870	.890	.910	.931	.953	.975	.997	1.020	1.044	1.068	1.092
21.6	.882	.903	.923	.945	.966	.989	1.012	1.035	1.059	1.083	1.108
21.8	.895	.916	.937	.958	.980	1.003	1.026	1.050	1.074	1.099	1.124
22.0	.908	.929	.950	.972	.994	1.017	1.041	1.065	1.089	1.114	1.140
22.2	.921	.942	.964	.986	1.009	1.032	1.056	1.080	1.105	1.130	1.157
22.4	.934	.956	.978	1.000	1.023	1.047	1.071	1.096	1.121	1.147	1.173
22.6	.947	.969	.992	1.015	1.038	1.062	1.086	1.111	1.137	1.163	1.190
22.8	.961	.983	1.006	1.029	1.053	1.077	1.101	1.127	1.153	1.180	1.207
23.0	.975	.997	1.020	1.044	1.068	1.092	1.118	1.143	1.170	1.197	1.224
23.2	.989	1.011	1.035	1.059	1.083	1.108	1.134	1.160	1.186	1.214	1.242
23.4	1.002	1.023	1.046	1.071	1.095	1.120	1.147	1.174	1.202	1.230	1.258
23.6	1.015	1.037	1.060	1.084	1.108	1.133	1.159	1.185	1.212	1.239	1.267
23.8	1.028	1.050	1.073	1.097	1.121	1.146	1.172	1.198	1.226	1.254	1.282
24.0	1.041	1.063	1.086	1.110	1.135	1.161	1.187	1.213	1.241	1.269	1.297
24.2	1.054	1.076	1.099	1.123	1.148	1.174	1.200	1.226	1.254	1.282	1.310
24.4	1.067	1.089	1.112	1.136	1.161	1.187	1.213	1.239	1.267	1.295	1.323
24.6	1.080	1.102	1.125	1.149	1.174	1.200	1.226	1.252	1.280	1.308	1.336
24.8	1.093	1.115	1.138	1.162	1.187	1.213	1.239	1.265	1.293	1.321	1.349
25.0	1.106	1.128	1.151	1.175	1.200	1.226	1.252	1.278	1.306	1.334	1.362
25.2	1.119	1.141	1.164	1.188	1.213	1.239	1.265	1.291	1.319	1.347	1.375
25.4	1.132	1.154	1.177	1.201	1.226	1.252	1.278	1.304	1.332	1.360	1.388
25.6	1.145	1.167	1.190	1.214	1.239	1.265	1.291	1.317	1.345	1.373	1.401
25.8	1.158	1.180	1.203	1.227	1.252	1.278	1.304	1.330	1.358	1.386	1.414
26.0	1.171	1.193	1.216	1.240	1.265	1.291	1.317	1.343	1.371	1.399	1.427
26.2	1.184	1.206	1.229	1.253	1.278	1.304	1.330	1.356	1.384	1.412	1.440
26.4	1.197	1.219	1.242	1.266	1.291	1.317	1.343	1.369	1.397	1.425	1.453
26.6	1.210	1.232	1.255	1.279	1.304	1.330	1.356	1.382	1.410	1.438	1.466
26.8	1.223	1.245	1.268	1.292	1.317	1.343	1.369	1.395	1.423	1.451	1.479
27.0	1.236	1.258	1.281	1.305	1.330	1.356	1.382	1.408	1.436	1.464	1.492
27.2	1.249	1.271	1.294	1.318	1.343	1.369	1.395	1.421	1.449	1.477	1.505
27.4	1.262	1.284	1.307	1.331	1.356	1.382	1.408	1.434	1.462	1.490	1.518
27.6	1.275	1.297	1.320	1.344	1.369	1.395	1.421	1.447	1.475	1.503	1.531
27.8	1.288	1.310	1.333	1.357	1.382	1.408	1.434	1.460	1.488	1.516	1.544

TABLE A-1 CONTINUED

TABLE PAGE 143

TEMP DEG C	7.30	7.31	7.32	7.33	7.34	PH 7.35	7.36	7.37	7.38	7.39	7.40
28.0	1.38	1.41	1.44	1.48	1.51	1.55	1.58	1.62	1.66	1.69	1.73
28.2	1.40	1.43	1.46	1.50	1.53	1.57	1.60	1.64	1.68	1.71	1.76
28.4	1.42	1.45	1.48	1.52	1.55	1.59	1.63	1.66	1.70	1.74	1.78
28.6	1.44	1.47	1.51	1.54	1.57	1.61	1.65	1.69	1.73	1.77	1.80
28.8	1.46	1.49	1.53	1.56	1.60	1.63	1.67	1.71	1.75	1.79	1.83
29.0	1.48	1.51	1.55	1.58	1.62	1.66	1.69	1.73	1.77	1.81	1.85
29.2	1.50	1.53	1.57	1.60	1.64	1.68	1.72	1.76	1.80	1.84	1.88
29.4	1.52	1.55	1.59	1.63	1.66	1.70	1.74	1.78	1.82	1.86	1.90
29.6	1.54	1.57	1.61	1.65	1.69	1.73	1.77	1.81	1.85	1.89	1.93
29.8	1.56	1.60	1.64	1.67	1.71	1.75	1.79	1.83	1.87	1.91	1.96
30.0	1.58	1.62	1.66	1.69	1.73	1.77	1.81	1.85	1.89	1.94	1.98
30.2	1.60	1.64	1.68	1.72	1.75	1.79	1.84	1.88	1.92	1.96	2.01
30.4	1.62	1.66	1.70	1.74	1.78	1.82	1.86	1.90	1.95	1.99	2.04
30.6	1.65	1.69	1.73	1.77	1.81	1.85	1.89	1.93	1.97	2.02	2.06
30.8	1.67	1.71	1.75	1.79	1.83	1.87	1.91	1.95	2.00	2.04	2.09
31.0	1.69	1.73	1.77	1.81	1.85	1.89	1.94	1.98	2.03	2.07	2.12
31.2	1.71	1.75	1.79	1.83	1.88	1.92	1.96	2.01	2.05	2.10	2.15
31.4	1.74	1.78	1.82	1.86	1.90	1.94	1.99	2.03	2.08	2.13	2.18
31.6	1.76	1.80	1.84	1.88	1.93	1.97	2.02	2.06	2.11	2.16	2.21
31.8	1.78	1.82	1.87	1.91	1.95	2.00	2.04	2.09	2.14	2.19	2.24
32.0	1.81	1.85	1.89	1.93	1.98	2.02	2.07	2.12	2.16	2.21	2.26
32.2	1.83	1.87	1.92	1.96	2.00	2.05	2.10	2.14	2.19	2.23	2.28
32.4	1.86	1.90	1.94	1.99	2.03	2.08	2.13	2.17	2.22	2.26	2.31
32.6	1.88	1.92	1.97	2.01	2.06	2.11	2.15	2.20	2.25	2.29	2.34
32.8	1.91	1.95	1.99	2.04	2.09	2.13	2.18	2.23	2.28	2.32	2.37
33.0	1.93	1.97	2.02	2.07	2.11	2.16	2.21	2.26	2.31	2.35	2.40
33.2	1.96	2.00	2.05	2.09	2.14	2.19	2.24	2.29	2.34	2.38	2.43
33.4	1.98	2.03	2.07	2.12	2.17	2.22	2.27	2.32	2.37	2.42	2.47
33.6	2.01	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50
33.8	2.03	2.08	2.13	2.18	2.23	2.28	2.33	2.38	2.43	2.48	2.53
34.0	2.06	2.11	2.16	2.21	2.26	2.31	2.36	2.41	2.46	2.51	2.56
34.2	2.09	2.14	2.19	2.24	2.29	2.34	2.39	2.44	2.49	2.54	2.59
34.4	2.12	2.17	2.22	2.27	2.32	2.37	2.42	2.47	2.52	2.57	2.62
34.6	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65
34.8	2.17	2.22	2.27	2.32	2.37	2.42	2.47	2.52	2.57	2.62	2.67
35.0	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70

TABLE A-1 CONTINUED

TABLE PAGE 144

TEMP DEG C	7.30	7.31	7.32	7.33	7.34	PH 7.35	7.36	7.37	7.38	7.39	7.40
35.0	2.20	2.25	2.30	2.33	2.41	2.46	2.55	2.57	2.63	2.69	2.75
35.2	2.23	2.28	2.33	2.38	2.47	2.53	2.58	2.61	2.67	2.73	2.79
35.4	2.26	2.31	2.36	2.41	2.50	2.56	2.62	2.64	2.70	2.76	2.82
35.6	2.29	2.34	2.39	2.45	2.53	2.59	2.65	2.68	2.74	2.80	2.86
35.8	2.32	2.37	2.42	2.48	2.57	2.62	2.68	2.71	2.77	2.83	2.89
36.0	2.35	2.40	2.45	2.51	2.60	2.66	2.72	2.74	2.81	2.87	2.94
36.2	2.38	2.43	2.49	2.54	2.63	2.69	2.75	2.78	2.84	2.91	2.97
36.4	2.41	2.46	2.52	2.57	2.66	2.72	2.79	2.82	2.88	2.94	3.01
36.6	2.44	2.49	2.55	2.61	2.70	2.76	2.82	2.85	2.91	2.98	3.05
36.8	2.47	2.52	2.58	2.64	2.74	2.80	2.86	2.89	2.95	3.02	3.09
37.0	2.50	2.56	2.62	2.67	2.77	2.83	2.89	2.93	2.99	3.06	3.13
37.2	2.53	2.59	2.65	2.71	2.81	2.87	2.93	2.96	3.02	3.10	3.17
37.4	2.56	2.62	2.68	2.74	2.84	2.90	2.97	3.00	3.07	3.14	3.21
37.6	2.60	2.66	2.72	2.78	2.88	2.94	3.01	3.04	3.11	3.18	3.25
37.8	2.63	2.69	2.75	2.81	2.91	2.98	3.05	3.08	3.15	3.22	3.29
38.0	2.66	2.72	2.79	2.85	2.95	3.02	3.09	3.12	3.19	3.26	3.33
38.2	2.70	2.76	2.82	2.89	2.99	3.06	3.13	3.16	3.23	3.30	3.37
38.4	2.73	2.79	2.86	2.92	3.03	3.09	3.16	3.19	3.27	3.34	3.41
38.6	2.77	2.83	2.89	2.96	3.06	3.13	3.20	3.23	3.31	3.38	3.46
38.8	2.80	2.87	2.93	3.00	3.10	3.17	3.24	3.27	3.35	3.42	3.50
39.0	2.84	2.90	2.97	3.03	3.13	3.20	3.27	3.30	3.38	3.45	3.53
39.2	2.87	2.94	3.00	3.07	3.17	3.24	3.31	3.34	3.42	3.49	3.56
39.4	2.91	2.97	3.04	3.11	3.21	3.28	3.35	3.38	3.46	3.53	3.60
39.6	2.95	3.01	3.08	3.15	3.25	3.32	3.39	3.42	3.50	3.57	3.64
39.8	2.98	3.05	3.12	3.19	3.29	3.36	3.43	3.46	3.54	3.61	3.68
40.0	3.02	3.09	3.16	3.23	3.33	3.40	3.47	3.50	3.58	3.65	3.72

TABLE A-1 CONTINUED

TEMP DEG C	7.40	7.41	7.42	7.43	7.44	PH 7.45	7.46	7.47	7.48	7.49	7.50
0	207	212	217	226	227	236	238	243	249	255	261
2	211	216	224	230	235	240	246	253	258	264	270
4	218	223	228	234	239	244	250	256	262	268	274
6	222	227	232	237	243	249	254	260	266	273	279
8	225	231	236	241	247	253	259	265	271	277	284
10	229	234	240	245	251	257	263	269	275	282	288
12	233	238	244	250	255	261	267	274	280	286	293
14	237	242	248	254	260	266	272	278	285	291	298
16	241	246	252	258	264	270	276	282	289	296	303
18	245	251	256	262	268	275	281	288	294	301	308
20	249	255	261	267	273	279	286	292	299	306	313
22	253	259	265	271	277	284	291	297	304	311	318
24	257	263	269	276	282	289	295	302	309	316	324
26	262	268	274	280	287	293	300	307	314	321	329
28	266	272	278	285	292	298	305	312	320	327	335
30	270	277	283	290	296	303	310	317	325	332	340
32	275	281	288	294	301	308	315	322	330	338	346
34	279	286	292	299	306	313	321	328	336	343	351
36	284	291	297	304	311	318	326	333	341	349	357
38	289	295	302	309	316	324	331	339	347	355	363
40	293	300	307	314	322	329	337	344	352	361	369
42	298	305	312	319	327	334	342	350	358	367	375
44	303	310	317	325	332	340	348	356	364	373	381
46	308	315	322	330	338	345	353	362	370	379	387
48	313	320	328	335	343	351	359	368	376	385	394
50	318	326	333	341	349	357	365	374	382	391	400
52	323	331	339	346	354	363	371	380	388	397	407
54	329	336	344	352	360	369	377	386	395	404	413
56	334	342	350	358	366	375	383	392	401	410	420
58	339	347	355	364	372	381	389	398	408	417	427
60	345	353	361	369	378	387	396	405	414	424	434
62	350	359	367	375	384	393	402	411	421	431	441
64	356	364	373	381	390	399	408	418	428	438	448
66	362	370	379	388	397	406	415	425	435	445	455
68	368	376	385	394	403	412	422	432	442	452	462

TABLE A-1 CONTINUED

TABLE PAGE 146

TEMP DEG C	7.40	7.41	7.42	7.43	7.44	PH 7.45	7.46	7.47	7.48	7.49	7.50
7.0	368	376	385	394	403	412	422	432	442	452	462
7.2	374	382	391	400	409	419	429	439	449	459	470
7.4	380	388	397	407	416	426	435	446	456	466	477
7.6	386	395	404	413	423	433	442	453	463	474	485
7.8	392	401	410	420	430	440	450	460	471	482	493
8.0	398	407	417	426	436	446	457	467	478	489	501
8.2	404	414	423	433	443	453	464	475	486	497	509
8.4	411	420	430	440	450	461	471	482	493	505	517
8.6	417	427	437	447	457	468	479	490	501	513	525
8.8	424	434	444	454	465	475	486	498	509	521	533
9.0	431	441	451	461	472	483	494	506	517	529	542
9.2	437	448	458	469	479	491	502	514	526	538	550
9.4	444	455	465	476	487	498	510	522	534	546	559
9.6	451	462	473	484	495	506	518	530	542	555	568
9.8	459	469	480	491	503	514	526	538	551	564	577
10.0	466	477	488	499	510	522	534	547	559	572	586
10.2	473	484	495	507	518	530	543	555	568	581	595
10.4	480	492	503	515	527	539	551	564	577	590	604
10.6	488	499	511	523	535	547	560	573	586	600	614
10.8	496	507	519	531	543	556	569	582	595	609	623
11.0	503	515	527	539	552	564	578	591	605	619	633
11.2	511	523	535	548	560	573	587	600	614	628	643
11.4	519	531	544	556	569	582	596	609	624	638	653
11.6	527	539	552	565	578	591	605	619	633	648	663
11.8	535	548	561	574	587	600	614	628	643	658	673
12.0	544	556	569	582	596	610	624	638	653	668	684
12.2	552	565	578	591	605	619	633	648	663	678	694
12.4	561	574	587	601	614	629	643	658	673	689	705
12.6	569	583	596	610	624	638	653	668	684	700	716
12.8	578	591	605	619	634	648	663	679	694	710	727
13.0	587	601	614	629	643	658	673	689	705	721	738
13.2	596	610	624	638	653	668	684	700	716	732	749
13.4	605	619	633	648	663	678	694	710	727	743	761
13.6	614	629	643	658	673	689	705	721	738	755	772
13.8	624	638	653	668	684	699	716	732	749	766	784
14.0	633	648	663	678	694	710	726	743	760	778	796

TABLE A-1 CONTINUED

TABLE PAGE 147

TEMP DEG C	7.40	7.41	7.42	7.43	7.44	PH 7.45	7.46	7.47	7.48	7.49	7.50
14.0	.633	.648	.663	.678	.694	.710	.726	.743	.760	.778	.796
14.2	.643	.658	.673	.689	.705	.721	.738	.755	.772	.790	.808
14.4	.653	.668	.684	.699	.715	.732	.749	.766	.784	.802	.820
14.6	.663	.678	.694	.710	.726	.744	.760	.778	.796	.814	.833
14.8	.673	.688	.704	.721	.737	.754	.772	.790	.808	.826	.845
15.0	.683	.699	.715	.731	.748	.766	.783	.801	.820	.839	.858
15.2	.693	.709	.726	.743	.760	.777	.795	.814	.832	.852	.871
15.4	.704	.720	.737	.755	.773	.789	.807	.826	.845	.864	.884
15.6	.714	.731	.748	.765	.783	.801	.819	.838	.858	.877	.896
15.8	.725	.742	.759	.777	.795	.813	.832	.851	.871	.891	.911
16.0	.736	.753	.770	.788	.806	.825	.844	.864	.884	.904	.925
16.2	.747	.764	.782	.800	.819	.838	.857	.877	.897	.918	.939
16.4	.758	.776	.794	.812	.831	.850	.870	.890	.910	.931	.952
16.6	.770	.787	.806	.824	.843	.863	.883	.903	.924	.945	.967
16.8	.781	.799	.818	.837	.856	.876	.896	.917	.938	.959	.981
17.0	.793	.811	.830	.849	.869	.889	.909	.930	.952	.974	.996
17.2	.805	.823	.842	.862	.882	.902	.923	.944	.966	.988	1.011
17.4	.817	.835	.855	.875	.895	.915	.936	.958	.980	1.003	1.026
17.6	.829	.848	.867	.888	.908	.929	.950	.972	.995	1.018	1.041
17.8	.841	.860	.880	.901	.921	.943	.964	.987	1.009	1.033	1.057
18.0	.854	.873	.893	.914	.935	.957	.979	1.001	1.024	1.048	1.072
18.2	.866	.886	.907	.928	.949	.971	.993	1.016	1.040	1.063	1.088
18.4	.879	.899	.920	.941	.963	.985	1.008	1.031	1.055	1.079	1.104
18.6	.892	.912	.934	.955	.977	1.000	1.023	1.046	1.070	1.095	1.120
18.8	.905	.926	.947	.969	.991	1.014	1.038	1.062	1.086	1.111	1.137
19.0	.918	.940	.961	.983	1.006	1.029	1.053	1.077	1.102	1.127	1.153
19.2	.932	.953	.975	.998	1.021	1.044	1.068	.993	1.135	1.144	1.170
19.4	.945	.967	.990	1.012	1.036	1.060	1.084	1.109	1.151	1.161	1.187
19.6	.959	.981	1.004	1.027	1.051	1.075	1.100	1.125	1.158	1.178	1.205
19.8	.973	.996	1.019	1.042	1.066	1.091	1.116	1.142	1.185	1.195	1.220
20.0	.988	1.010	1.034	1.057	1.082	1.107	1.132	1.158	1.201	1.212	1.240
20.2	1.000	1.023	1.046	1.070	1.095	1.120	1.145	1.18	1.22	1.23	1.26
20.4	1.023	1.046	1.068	1.092	1.116	1.141	1.166	1.19	1.24	1.25	1.28
20.6	1.035	1.057	1.079	1.103	1.126	1.150	1.174	1.21	1.26	1.27	1.30
20.8	1.046	1.068	1.091	1.114	1.137	1.161	1.185	1.23	1.28	1.29	1.33
21.0	1.056	1.079	1.101	1.124	1.147	1.171	1.195	1.24	1.30	1.31	1.33

TABLE A-1 CONTINUED

TABLE PAGE 148

TEMP DEG C	7.40	7.41	7.42	7.43	7.44	PH 7.45	7.46	7.47	7.48	7.49	7.50
21.0	1.06	1.09	1.11	1.14	1.16	1.19	1.22	1.24	1.27	1.30	1.35
21.1	1.08	1.10	1.12	1.15	1.18	1.21	1.23	1.26	1.29	1.32	1.37
21.2	1.09	1.11	1.13	1.16	1.19	1.22	1.24	1.28	1.31	1.34	1.39
21.3	1.11	1.13	1.15	1.18	1.21	1.24	1.26	1.30	1.33	1.36	1.41
21.4	1.12	1.14	1.16	1.19	1.22	1.25	1.27	1.31	1.34	1.37	1.43
22.0	1.14	1.17	1.20	1.23	1.26	1.29	1.31	1.35	1.38	1.41	1.48
22.1	1.16	1.18	1.21	1.24	1.27	1.30	1.33	1.36	1.39	1.42	1.50
22.2	1.17	1.19	1.22	1.25	1.28	1.31	1.34	1.38	1.41	1.44	1.52
22.3	1.19	1.21	1.23	1.26	1.29	1.32	1.35	1.39	1.42	1.45	1.54
22.4	1.22	1.24	1.26	1.29	1.32	1.35	1.38	1.41	1.44	1.47	1.56
23.0	1.24	1.27	1.30	1.33	1.36	1.39	1.42	1.45	1.48	1.51	1.60
23.1	1.26	1.29	1.32	1.35	1.38	1.41	1.44	1.47	1.50	1.53	1.63
23.2	1.28	1.31	1.34	1.37	1.40	1.43	1.46	1.49	1.52	1.55	1.65
23.3	1.30	1.33	1.36	1.39	1.42	1.45	1.48	1.51	1.54	1.57	1.68
23.4	1.31	1.34	1.37	1.40	1.43	1.46	1.49	1.52	1.55	1.58	1.70
24.0	1.33	1.36	1.39	1.42	1.45	1.48	1.51	1.54	1.57	1.60	1.72
24.1	1.35	1.38	1.41	1.44	1.47	1.50	1.53	1.56	1.59	1.62	1.74
24.2	1.37	1.40	1.43	1.46	1.49	1.52	1.55	1.58	1.61	1.64	1.77
24.3	1.39	1.42	1.45	1.48	1.51	1.54	1.57	1.60	1.63	1.66	1.79
24.4	1.41	1.44	1.47	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.81
25.0	1.43	1.46	1.49	1.52	1.55	1.58	1.61	1.64	1.67	1.70	1.84
25.1	1.45	1.48	1.51	1.54	1.57	1.60	1.63	1.66	1.69	1.72	1.87
25.2	1.47	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.89
25.3	1.49	1.52	1.55	1.58	1.61	1.64	1.67	1.70	1.73	1.76	1.91
25.4	1.51	1.54	1.57	1.60	1.63	1.66	1.69	1.72	1.75	1.78	1.93
26.0	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.77	1.80	1.96
26.1	1.55	1.58	1.61	1.64	1.67	1.70	1.73	1.76	1.79	1.82	1.99
26.2	1.57	1.60	1.63	1.66	1.69	1.72	1.75	1.78	1.81	1.84	2.01
26.3	1.59	1.62	1.65	1.68	1.71	1.74	1.77	1.80	1.83	1.86	2.04
26.4	1.61	1.64	1.67	1.70	1.73	1.76	1.79	1.82	1.85	1.88	2.07
27.0	1.63	1.66	1.69	1.72	1.75	1.78	1.81	1.84	1.87	1.90	2.10
27.1	1.65	1.68	1.71	1.74	1.77	1.80	1.83	1.86	1.89	1.92	2.14
27.2	1.67	1.70	1.73	1.76	1.79	1.82	1.85	1.88	1.91	1.94	2.17
27.3	1.69	1.72	1.75	1.78	1.81	1.84	1.87	1.90	1.93	1.96	2.20
27.4	1.71	1.74	1.77	1.80	1.83	1.86	1.89	1.92	1.95	1.98	2.23
28.0	1.73	1.76	1.79	1.82	1.85	1.88	1.91	1.94	1.97	2.00	2.26
28.1	1.75	1.78	1.81	1.84	1.87	1.90	1.93	1.96	1.99	2.02	2.29
28.2	1.77	1.80	1.83	1.86	1.89	1.92	1.95	1.98	2.01	2.04	2.32
28.3	1.79	1.82	1.85	1.88	1.91	1.94	1.97	2.00	2.03	2.06	2.35
28.4	1.81	1.84	1.87	1.90	1.93	1.96	1.99	2.02	2.05	2.08	2.38

TABLE A-1 CONTINUED

TABLE PAGE 149

TEMP DEG C	7.40	7.41	7.42	7.43	7.44	PH	7.46	7.47	7.48	7.49	7.50
28.0	1.73	1.77	1.81	1.85	1.90	1.94	1.98	2.03	2.07	2.11	2.15
28.4	1.76	1.80	1.84	1.88	1.92	1.97	2.01	2.05	2.09	2.13	2.17
28.8	1.78	1.82	1.86	1.90	1.94	1.99	2.03	2.07	2.11	2.15	2.19
29.2	1.80	1.84	1.88	1.92	1.96	2.00	2.04	2.08	2.12	2.16	2.20
29.6	1.83	1.87	1.91	1.95	1.99	2.03	2.07	2.11	2.15	2.19	2.23
30.0	1.85	1.90	1.94	1.98	2.02	2.06	2.10	2.14	2.18	2.22	2.26
30.4	1.88	1.92	1.97	2.01	2.05	2.09	2.13	2.17	2.21	2.25	2.29
30.8	1.90	1.95	1.99	2.03	2.07	2.11	2.15	2.19	2.23	2.27	2.31
31.2	1.93	1.97	2.01	2.05	2.09	2.13	2.17	2.21	2.25	2.29	2.33
31.6	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32	2.36
32.0	1.98	2.03	2.07	2.11	2.15	2.19	2.23	2.27	2.31	2.35	2.39
32.4	2.01	2.05	2.09	2.13	2.17	2.21	2.25	2.29	2.33	2.37	2.41
32.8	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32	2.36	2.40	2.44
33.2	2.06	2.11	2.15	2.19	2.23	2.27	2.31	2.35	2.39	2.43	2.47
33.6	2.09	2.13	2.17	2.21	2.25	2.29	2.33	2.37	2.41	2.45	2.49
34.0	2.12	2.16	2.20	2.24	2.28	2.32	2.36	2.40	2.44	2.48	2.52
34.4	2.15	2.19	2.23	2.27	2.31	2.35	2.39	2.43	2.47	2.51	2.55
34.8	2.18	2.22	2.26	2.30	2.34	2.38	2.42	2.46	2.50	2.54	2.58
35.2	2.21	2.25	2.29	2.33	2.37	2.41	2.45	2.49	2.53	2.57	2.61
35.6	2.24	2.28	2.32	2.36	2.40	2.44	2.48	2.52	2.56	2.60	2.64
36.0	2.27	2.31	2.35	2.39	2.43	2.47	2.51	2.55	2.59	2.63	2.67
36.4	2.30	2.34	2.38	2.42	2.46	2.50	2.54	2.58	2.62	2.66	2.70
36.8	2.33	2.37	2.41	2.45	2.49	2.53	2.57	2.61	2.65	2.69	2.73
37.2	2.36	2.40	2.44	2.48	2.52	2.56	2.60	2.64	2.68	2.72	2.76
37.6	2.39	2.43	2.47	2.51	2.55	2.59	2.63	2.67	2.71	2.75	2.79
38.0	2.42	2.46	2.50	2.54	2.58	2.62	2.66	2.70	2.74	2.78	2.82
38.4	2.45	2.49	2.53	2.57	2.61	2.65	2.69	2.73	2.77	2.81	2.85
38.8	2.48	2.52	2.56	2.60	2.64	2.68	2.72	2.76	2.80	2.84	2.88
39.2	2.51	2.55	2.59	2.63	2.67	2.71	2.75	2.79	2.83	2.87	2.91
39.6	2.54	2.58	2.62	2.66	2.70	2.74	2.78	2.82	2.86	2.90	2.94
40.0	2.57	2.61	2.65	2.69	2.73	2.77	2.81	2.85	2.89	2.93	2.97
40.4	2.60	2.64	2.68	2.72	2.76	2.80	2.84	2.88	2.92	2.96	3.00
40.8	2.63	2.67	2.71	2.75	2.79	2.83	2.87	2.91	2.95	2.99	3.03
41.2	2.66	2.70	2.74	2.78	2.82	2.86	2.90	2.94	2.98	3.02	3.06
41.6	2.69	2.73	2.77	2.81	2.85	2.89	2.93	2.97	3.01	3.05	3.09
42.0	2.72	2.76	2.80	2.84	2.88	2.92	2.96	3.00	3.04	3.08	3.12
42.4	2.75	2.79	2.83	2.87	2.91	2.95	2.99	3.03	3.07	3.11	3.15
42.8	2.78	2.82	2.86	2.90	2.94	2.98	3.02	3.06	3.10	3.14	3.18
43.2	2.81	2.85	2.89	2.93	2.97	3.01	3.05	3.09	3.13	3.17	3.21
43.6	2.84	2.88	2.92	2.96	3.00	3.04	3.08	3.12	3.16	3.20	3.24
44.0	2.87	2.91	2.95	2.99	3.03	3.07	3.11	3.15	3.19	3.23	3.27
44.4	2.90	2.94	2.98	3.02	3.06	3.10	3.14	3.18	3.22	3.26	3.30
44.8	2.93	2.97	3.01	3.05	3.09	3.13	3.17	3.21	3.25	3.29	3.33
45.2	2.96	3.00	3.04	3.08	3.12	3.16	3.20	3.24	3.28	3.32	3.36
45.6	2.99	3.03	3.07	3.11	3.15	3.19	3.23	3.27	3.31	3.35	3.39
46.0	3.02	3.06	3.10	3.14	3.18	3.22	3.26	3.30	3.34	3.38	3.42
46.4	3.05	3.09	3.13	3.17	3.21	3.25	3.29	3.33	3.37	3.41	3.45
46.8	3.08	3.12	3.16	3.20	3.24	3.28	3.32	3.36	3.40	3.44	3.48
47.2	3.11	3.15	3.19	3.23	3.27	3.31	3.35	3.39	3.43	3.47	3.51
47.6	3.14	3.18	3.22	3.26	3.30	3.34	3.38	3.42	3.46	3.50	3.54
48.0	3.17	3.21	3.25	3.29	3.33	3.37	3.41	3.45	3.49	3.53	3.57
48.4	3.20	3.24	3.28	3.32	3.36	3.40	3.44	3.48	3.52	3.56	3.60
48.8	3.23	3.27	3.31	3.35	3.39	3.43	3.47	3.51	3.55	3.59	3.63
49.2	3.26	3.30	3.34	3.38	3.42	3.46	3.50	3.54	3.58	3.62	3.66
49.6	3.29	3.33	3.37	3.41	3.45	3.49	3.53	3.57	3.61	3.65	3.69
50.0	3.32	3.36	3.40	3.44	3.48	3.52	3.56	3.60	3.64	3.68	3.72
50.4	3.35	3.39	3.43	3.47	3.51	3.55	3.59	3.63	3.67	3.71	3.75
50.8	3.38	3.42	3.46	3.50	3.54	3.58	3.62	3.66	3.70	3.74	3.78
51.2	3.41	3.45	3.49	3.53	3.57	3.61	3.65	3.69	3.73	3.77	3.81
51.6	3.44	3.48	3.52	3.56	3.60	3.64	3.68	3.72	3.76	3.80	3.84
52.0	3.47	3.51	3.55	3.59	3.63	3.67	3.71	3.75	3.79	3.83	3.87
52.4	3.50	3.54	3.58	3.62	3.66	3.70	3.74	3.78	3.82	3.86	3.90
52.8	3.53	3.57	3.61	3.65	3.69	3.73	3.77	3.81	3.85	3.89	3.93
53.2	3.56	3.60	3.64	3.68	3.72	3.76	3.80	3.84	3.88	3.92	3.96
53.6	3.59	3.63	3.67	3.71	3.75	3.79	3.83	3.87	3.91	3.95	3.99
54.0	3.62	3.66	3.70	3.74	3.78	3.82	3.86	3.90	3.94	3.98	4.02
54.4	3.65	3.69	3.73	3.77	3.81	3.85	3.89	3.93	3.97	4.01	4.05
54.8	3.68	3.72	3.76	3.80	3.84	3.88	3.92	3.96	4.00	4.04	4.08
55.2	3.71	3.75	3.79	3.83	3.87	3.91	3.95	3.99	4.03	4.07	4.11
55.6	3.74	3.78	3.82	3.86	3.90	3.94	3.98	4.02	4.06	4.10	4.14
56.0	3.77	3.81	3.85	3.89	3.93	3.97	4.01	4.05	4.09	4.13	4.17
56.4	3.80	3.84	3.88	3.92	3.96	4.00	4.04	4.08	4.12	4.16	4.20
56.8	3.83	3.87	3.91	3.95	3.99	4.03	4.07	4.11	4.15	4.19	4.23
57.2	3.86	3.90	3.94	3.98	4.02	4.06	4.10	4.14	4.18	4.22	4.26
57.6	3.89	3.93	3.97	4.01	4.05	4.09	4.13	4.17	4.21	4.25	4.29
58.0	3.92	3.96	4.00	4.04	4.08	4.12	4.16	4.20	4.24	4.28	4.32
58.4	3.95	3.99	4.03	4.07	4.11	4.15	4.19	4.23	4.27	4.31	4.35
58.8	3.98	4.02	4.06	4.10	4.14	4.18	4.22	4.26	4.30	4.34	4.38
59.2	4.01	4.05	4.09	4.13	4.17	4.21	4.25	4.29	4.33	4.37	4.41
59.6	4.04	4.08	4.12	4.16	4.20	4.24	4.28	4.32	4.36	4.40	4.44
60.0	4.07	4.11	4.15	4.19	4.23	4.27	4.31	4.35	4.39	4.43	4.47
60.4	4.10	4.14	4.18	4.22	4.26	4.30	4.34	4.38	4.42	4.46	4.50
60.8	4.13	4.17	4.21	4.25	4.29	4.33	4.37	4.41	4.45	4.49	4.53
61.2	4.16	4.20	4.24	4.28	4.32	4.36	4.40	4.44	4.48	4.52	4.56
61.6	4.19	4.23	4.27	4.31	4.35	4.39	4.43	4.47	4.51	4.55	4.59
62.0	4.22	4.26	4.30	4.34	4.38	4.42	4.46	4.50	4.54	4.58	4.62
62.4	4.25	4.29	4.33	4.37	4.41	4.45	4.49	4.53	4.57	4.61	4.65
62.8	4.28	4.32	4.36	4.40	4.44	4.48	4.52	4.56	4.60	4.64	4.68
63.2	4.31	4.35	4.39	4.43	4.47	4.51	4.55	4.59	4.63	4.67	4.71
63.6	4.34	4.38	4.42	4.46	4.50	4.54	4.58	4.62	4.66	4.70	4.74
64.0	4.37	4.41	4.45	4.49	4.53	4.57	4.61	4.65	4.69	4.73	4.77
64.4	4.40	4.44	4.48	4.52	4.56	4.60	4.64	4.68	4.72	4.76	4.80
64.8	4.43	4.47	4.51	4.55	4.59	4.63	4.67	4.71	4.75	4.79	4.83
65.2	4.46	4.50	4.54	4.58	4.62	4.66	4.70	4.74	4.78	4.82	4.86
65.6	4.49	4.53	4.57	4.61	4.65	4.69	4.73	4.77	4.81	4.85	4.89
66.0	4.52	4.56	4.60	4.64	4.68	4.72	4.76	4.80	4.84	4.88	4.92
66.4	4.55	4.59	4.63	4.67	4.71	4.75	4.79	4.83	4.87	4.91	4.95
66.8	4.58	4.62	4.66	4.70	4.74	4.78	4.82	4.86	4.90	4.94	4.98
67.2	4.61	4.65	4.69	4.73	4.77	4.81	4.85	4.89	4.93	4.97	5.01
67.6	4.64	4.68	4.72	4.76	4.80	4.84	4.88	4.92	4.96	5.00	5.04
68.0	4.67	4.71	4.75	4.79	4.83	4.87	4.91	4.95	4.99	5.03	5.07
68.4	4.70	4.74	4.78	4.82	4.86	4.90	4.94	4.98	5.02	5.06	5.10
68.8	4.73	4.77	4.81	4.85	4.89	4.93	4.97	5.01	5.05	5.09	5.13
69.2	4.76	4.80	4.84	4.88	4.92	4.96	5.00	5.04	5.08	5.12	5.16
69.6	4.79	4.83	4.87	4.91	4.95	4.99	5.03	5.07	5.11	5.15	5.19
70.0	4.82	4.86	4.90	4.94	4.98	5.02	5.06	5.10	5.14	5.18	5.22

TABLE A-1 CONTINUED

TABLE PAGE 150

TEMP DEG C	7.40	7.41	7.42	7.43	7.44	PH 7.45	7.46	7.47	7.48	7.49	7.50
35.0	2.75	2.82	2.88	2.94	3.01	3.08	3.15	3.22	3.29	3.37	3.44
35.2	2.79	2.85	2.92	2.98	3.05	3.12	3.19	3.26	3.33	3.41	3.49
35.4	2.82	2.89	2.95	3.02	3.09	3.16	3.23	3.30	3.37	3.45	3.53
35.6	2.86	2.93	3.00	3.06	3.13	3.20	3.27	3.34	3.41	3.49	3.57
35.8	2.90	2.96	3.03	3.10	3.17	3.24	3.31	3.38	3.45	3.53	3.61
36.0	2.94	3.00	3.07	3.14	3.21	3.28	3.35	3.42	3.50	3.57	3.65
36.2	2.97	3.04	3.11	3.18	3.25	3.32	3.40	3.47	3.55	3.63	3.71
36.4	3.01	3.08	3.15	3.22	3.29	3.37	3.44	3.52	3.60	3.68	3.76
36.6	3.05	3.12	3.19	3.26	3.33	3.41	3.49	3.56	3.64	3.72	3.80
36.8	3.09	3.16	3.23	3.30	3.37	3.45	3.53	3.61	3.69	3.77	3.85
37.0	3.13	3.20	3.27	3.34	3.42	3.50	3.57	3.65	3.74	3.82	3.91
37.2	3.17	3.24	3.31	3.38	3.46	3.54	3.62	3.70	3.78	3.87	3.96
37.4	3.21	3.28	3.35	3.43	3.51	3.59	3.67	3.75	3.83	3.92	4.01
37.6	3.25	3.32	3.39	3.47	3.55	3.63	3.71	3.79	3.88	3.97	4.06
37.8	3.29	3.36	3.44	3.52	3.60	3.68	3.76	3.84	3.93	4.02	4.11
38.0	3.33	3.41	3.48	3.56	3.64	3.72	3.81	3.89	3.98	4.07	4.16
38.2	3.37	3.45	3.53	3.61	3.69	3.77	3.86	3.94	4.03	4.12	4.21
38.4	3.41	3.49	3.57	3.65	3.73	3.82	3.90	3.99	4.08	4.17	4.26
38.6	3.45	3.54	3.62	3.70	3.78	3.87	3.95	4.04	4.13	4.22	4.31
38.8	3.49	3.58	3.66	3.74	3.82	3.91	3.99	4.08	4.17	4.26	4.35
39.0	3.53	3.63	3.71	3.79	3.87	3.96	4.05	4.14	4.23	4.32	4.41
39.2	3.57	3.67	3.75	3.84	3.92	4.01	4.10	4.19	4.28	4.37	4.46
39.4	3.61	3.72	3.80	3.88	3.97	4.06	4.15	4.24	4.33	4.43	4.52
39.6	3.65	3.76	3.85	3.93	4.02	4.11	4.20	4.29	4.38	4.48	4.57
39.8	3.69	3.81	3.89	3.98	4.07	4.16	4.25	4.34	4.44	4.54	4.63
40.0	3.73	3.86	3.94	4.03	4.12	4.21	4.31	4.40	4.50	4.60	4.70

TABLE A-1 CONTINUED

TABLE PAGE 151

TEMP DEG C	7.50	7.51	7.52	7.53	7.54	PH 7.55	7.56	7.57	7.58	7.59	7.60
0	261	267	273	279	286	293	299	306	313	321	328
2	265	271	278	284	291	297	304	311	319	326	334
4	270	276	282	289	296	302	310	317	323	330	337
6	274	281	287	294	301	308	315	322	330	337	345
8	279	285	292	299	306	313	320	327	335	343	351
10	284	290	297	304	311	318	325	333	341	349	357
12	288	295	302	309	316	323	331	339	346	354	363
14	293	300	307	314	321	329	336	344	352	360	369
16	298	305	312	319	327	334	342	350	358	366	375
18	303	310	317	325	332	340	348	356	364	373	381
20	308	315	323	330	338	346	354	362	370	379	388
22	313	320	328	336	343	351	359	368	376	385	391
24	318	326	333	341	349	357	365	374	383	391	401
26	324	331	339	347	355	363	372	380	389	398	407
28	329	337	345	353	361	369	378	386	395	404	414
30	335	342	350	358	367	375	384	393	402	411	421
32	340	348	356	364	373	381	390	399	408	419	428
34	346	354	362	370	379	388	397	406	415	425	435
36	351	359	368	376	385	394	403	412	422	432	442
38	357	365	374	383	392	401	410	419	429	439	449
40	363	371	380	389	398	407	417	426	436	446	455
42	369	378	386	395	404	414	423	433	443	454	462
44	375	384	393	402	411	421	430	440	451	461	472
46	381	390	399	408	418	428	437	447	458	469	479
48	387	396	406	415	425	435	445	455	466	476	485
50	394	403	412	422	432	442	452	462	473	484	495
52	400	409	419	429	439	449	459	470	481	492	503
54	407	416	426	436	446	456	467	477	489	500	511
56	413	423	433	443	453	464	474	485	496	508	519
58	420	430	440	450	460	471	482	493	505	516	528
60	427	437	447	457	468	479	490	501	513	525	537
62	434	444	454	465	475	486	497	509	521	533	545
64	441	451	461	472	483	494	506	517	529	542	554
66	448	458	469	480	491	502	514	526	538	550	563
68	455	466	476	487	499	510	522	534	547	559	571
70	462	473	484	495	507	518	530	542	555	568	581

TABLE A-1 CONTINUED

TEMP DEG C	7.50	7.51	7.52	7.53	7.54	PH 7.55	7.56	7.57	7.58	7.59	7.60
7.0	.462	.473	.484	.495	.507	.518	.530	.543	.555	.568	.581
7.2	.470	.481	.492	.503	.515	.527	.539	.551	.564	.577	.591
7.4	.477	.488	.500	.511	.523	.534	.546	.559	.572	.586	.600
7.6	.485	.496	.508	.519	.531	.544	.556	.569	.582	.605	.619
7.8	.493	.504	.516	.528	.540	.552	.565	.578	.592	.615	.629
8.0	.501	.512	.524	.536	.549	.561	.574	.588	.601		
8.2	.509	.520	.532	.545	.557	.570	.583	.597	.611	.625	.639
8.4	.517	.529	.541	.553	.566	.578	.593	.606	.620	.635	.650
8.6	.525	.537	.549	.561	.575	.588	.602	.616	.630	.645	.660
8.8	.533	.545	.558	.570	.584	.598	.612	.626	.640	.655	.681
9.0	.542	.554	.567	.580	.594	.607	.621	.636	.650		
9.2	.550	.563	.576	.589	.603	.617	.631	.646	.661	.676	.692
9.4	.559	.572	.585	.599	.612	.627	.641	.656	.671	.687	.703
9.6	.567	.581	.594	.608	.622	.636	.651	.666	.682	.697	.714
9.8	.577	.590	.604	.618	.632	.646	.661	.677	.693	.708	.725
10.0	.586	.599	.613	.627	.642	.657	.672	.687	.703	.720	
10.2	.595	.609	.623	.637	.652	.667	.683	.698	.715	.731	.749
10.4	.604	.618	.632	.647	.662	.677	.693	.709	.727	.744	.759
10.6	.614	.628	.642	.657	.672	.688	.704	.720	.737	.754	.771
10.8	.623	.638	.652	.667	.683	.699	.715	.731	.748	.766	.783
11.0	.633	.648	.663	.678	.694	.710	.726	.743	.760	.777	.795
11.2	.643	.658	.673	.688	.704	.721	.737	.754	.772	.790	.808
11.4	.653	.668	.683	.699	.715	.732	.749	.766	.784	.802	.820
11.6	.663	.678	.694	.710	.726	.743	.760	.778	.796	.814	.833
11.8	.673	.689	.705	.721	.738	.755	.772	.790	.808	.827	.846
12.0	.684	.699	.716	.732	.749	.766	.784	.802	.821	.840	.859
12.2	.694	.710	.727	.743	.761	.778	.796	.815	.833	.853	.872
12.4	.705	.722	.738	.755	.772	.790	.808	.827	.846	.866	.886
12.6	.716	.732	.749	.766	.784	.802	.821	.840	.859	.879	.899
12.8	.727	.744	.761	.779	.796	.815	.833	.853	.872	.892	.913
13.0	.738	.755	.772	.790	.808	.827	.846	.866	.886	.906	.927
13.2	.749	.767	.784	.802	.821	.840	.859	.879	.899	.920	.941
13.4	.761	.778	.796	.815	.833	.853	.872	.892	.913	.934	.956
13.6	.772	.790	.808	.827	.846	.866	.886	.906	.927	.948	.970
13.8	.784	.802	.821	.840	.859	.879	.899	.920	.941	.963	.985
14.0	.796	.814	.833	.853	.872	.892	.913	.934	.955	.978	1.000

TABLE A-1 CONTINUED

TABLE PAGE 153

TEMP DEG C	7.50	7.51	7.52	7.53	7.54	PH 7.55	7.56	7.57	7.58	7.59	7.60
14.0	796	814	833	852	872	892	913	934	955	978	1000
14.2	808	827	846	865	885	905	927	948	970	992	1015
14.4	820	839	859	879	899	920	941	962	983	1005	1028
14.6	833	852	872	892	912	934	955	977	998	1020	1043
14.8	845	865	885	905	926	948	970	992	1015	1038	1062
15.0	858	878	898	919	940	962	984	1007	1030	1054	1078
15.2	871	891	912	933	955	977	999	1022	1046	1070	1094
15.4	884	905	926	947	968	990	1012	1035	1059	1083	1108
15.6	898	918	940	961	983	1006	1029	1052	1077	1101	1126
15.8	911	932	954	976	998	1021	1045	1068	1093	1117	1142
16.0	925	946	968	990	1013	1037	1060	1085	1110	1135	1162
16.2	939	960	983	1005	1028	1052	1076	1101	1126	1151	1177
16.4	953	975	997	1020	1044	1068	1092	1117	1143	1168	1194
16.6	967	989	1012	1035	1059	1084	1108	1134	1159	1185	1211
16.8	981	1004	1027	1051	1075	1100	1125	1151	1177	1203	1229
17.0	996	1019	1043	1067	1091	1116	1142	1168	1195	1222	1248
17.2	1010	1033	1057	1081	1105	1131	1157	1184	1211	1238	1265
17.4	1024	1047	1071	1095	1119	1146	1173	1200	1228	1255	1282
17.6	1038	1061	1085	1109	1133	1161	1189	1217	1245	1273	1301
17.8	1052	1075	1099	1123	1147	1176	1205	1234	1263	1292	1321
18.0	1066	1089	1113	1137	1161	1191	1221	1251	1281	1311	1341
18.2	1080	1103	1127	1151	1175	1206	1237	1268	1299	1330	1361
18.4	1094	1117	1141	1165	1189	1221	1253	1285	1317	1349	1381
18.6	1108	1131	1155	1179	1203	1236	1269	1302	1335	1368	1401
18.8	1122	1145	1169	1193	1217	1251	1285	1319	1353	1387	1421
19.0	1136	1159	1183	1207	1231	1266	1301	1336	1371	1406	1441
19.2	1150	1173	1197	1221	1245	1281	1317	1353	1389	1425	1461
19.4	1164	1187	1211	1235	1259	1296	1333	1370	1407	1444	1481
19.6	1178	1201	1225	1249	1273	1311	1349	1387	1425	1463	1501
19.8	1192	1215	1239	1263	1287	1326	1365	1404	1443	1482	1521
20.0	1206	1229	1253	1277	1301	1341	1381	1421	1461	1501	1541
20.2	1220	1243	1267	1291	1315	1356	1397	1438	1479	1520	1561
20.4	1234	1257	1281	1305	1329	1371	1413	1455	1497	1539	1581
20.6	1248	1271	1295	1319	1343	1386	1429	1472	1515	1558	1601
20.8	1262	1285	1309	1333	1357	1401	1445	1489	1533	1577	1621
21.0	1276	1299	1323	1347	1371	1416	1461	1506	1551	1596	1641

TABLE A-1 CONTINUED

TABLE PAGE 154

TEMP DEG C	7.50	7.51	7.52	7.53	7.54	PH 7.55	7.56	7.57	7.58	7.59	7.60
21.0	1.33	1.36	1.39	1.43	1.46	1.49	1.53	1.56	1.60	1.66	1.70
21.4	1.37	1.38	1.41	1.45	1.48	1.51	1.55	1.58	1.64	1.68	1.72
21.8	1.39	1.40	1.43	1.47	1.50	1.54	1.58	1.63	1.67	1.73	1.77
22.0	1.41	1.44	1.46	1.51	1.54	1.56	1.60	1.65	1.72	1.75	1.80
22.4	1.43	1.46	1.50	1.55	1.58	1.61	1.64	1.70	1.74	1.81	1.85
22.8	1.44	1.45	1.51	1.56	1.60	1.65	1.69	1.73	1.76	1.83	1.87
23.0	1.45	1.47	1.53	1.58	1.62	1.67	1.71	1.75	1.84	1.88	1.93
23.4	1.47	1.49	1.55	1.60	1.64	1.69	1.73	1.78	1.87	1.91	1.95
23.8	1.51	1.53	1.57	1.62	1.66	1.71	1.75	1.80	1.89	1.94	1.98
24.0	1.54	1.57	1.61	1.66	1.70	1.74	1.78	1.83	1.92	1.96	2.01
24.4	1.56	1.60	1.64	1.69	1.73	1.77	1.81	1.85	1.95	1.99	2.04
24.8	1.63	1.66	1.70	1.76	1.80	1.84	1.88	1.93	2.02	2.06	2.11
25.0	1.65	1.69	1.72	1.77	1.81	1.85	1.89	1.94	2.03	2.08	2.13
25.4	1.67	1.71	1.75	1.79	1.83	1.87	1.91	1.96	2.05	2.10	2.15
25.8	1.72	1.76	1.80	1.84	1.88	1.92	1.96	2.01	2.10	2.14	2.19
26.0	1.77	1.81	1.85	1.89	1.93	1.97	2.01	2.06	2.15	2.19	2.24
26.4	1.87	1.88	1.90	1.94	1.98	2.02	2.06	2.11	2.20	2.24	2.29
26.8	1.91	1.91	1.93	1.97	2.01	2.05	2.09	2.14	2.23	2.27	2.32
27.0	1.94	1.94	1.96	2.00	2.04	2.08	2.12	2.17	2.26	2.30	2.35
27.4	1.98	1.98	2.00	2.04	2.08	2.12	2.16	2.21	2.30	2.34	2.39
27.8	2.00	2.00	2.02	2.06	2.10	2.14	2.18	2.23	2.32	2.36	2.41
28.0	2.03	2.03	2.05	2.09	2.13	2.17	2.21	2.26	2.35	2.39	2.44
28.4	2.07	2.07	2.09	2.13	2.17	2.21	2.25	2.30	2.39	2.43	2.48
28.8	2.11	2.11	2.13	2.17	2.21	2.25	2.29	2.34	2.43	2.47	2.52
29.0	2.14	2.14	2.16	2.20	2.24	2.28	2.32	2.37	2.46	2.50	2.55
29.4	2.18	2.18	2.20	2.24	2.28	2.32	2.36	2.41	2.50	2.54	2.59
29.8	2.22	2.22	2.24	2.28	2.32	2.36	2.40	2.45	2.54	2.58	2.63
30.0	2.25	2.25	2.27	2.31	2.35	2.39	2.43	2.48	2.57	2.61	2.66

TABLE A-1 CONTINUED

TABLE PAGE 155

TEMP DEG C	7.50	7.51	7.52	7.53	7.54	PH 7.55	7.56	7.57	7.58	7.59	7.60
28.0	2.17	2.22	2.27	2.32	2.38	2.43	2.48	2.54	2.60	2.66	2.71
28.2	2.20	2.25	2.30	2.35	2.41	2.46	2.52	2.58	2.63	2.69	2.75
28.4	2.23	2.28	2.33	2.38	2.44	2.50	2.55	2.61	2.67	2.73	2.80
28.6	2.26	2.31	2.36	2.42	2.47	2.53	2.59	2.65	2.71	2.77	2.83
28.8	2.29	2.34	2.39	2.45	2.51	2.56	2.62	2.68	2.74	2.80	2.87
29.0	2.32	2.38	2.43	2.48	2.54	2.60	2.66	2.72	2.78	2.84	2.91
29.2	2.35	2.41	2.46	2.52	2.57	2.63	2.69	2.75	2.81	2.88	2.95
29.4	2.39	2.44	2.50	2.55	2.61	2.67	2.73	2.79	2.85	2.92	3.00
29.6	2.42	2.47	2.53	2.58	2.64	2.70	2.77	2.83	2.89	2.96	3.02
29.8	2.45	2.51	2.56	2.62	2.67	2.74	2.80	2.87	2.93	3.00	3.07
30.0	2.48	2.54	2.60	2.66	2.72	2.78	2.84	2.90	2.97	3.04	3.11
30.2	2.52	2.57	2.63	2.69	2.75	2.81	2.88	2.94	3.00	3.07	3.14
30.4	2.55	2.61	2.67	2.73	2.79	2.85	2.92	2.98	3.05	3.12	3.19
30.6	2.58	2.64	2.70	2.76	2.83	2.89	2.96	3.02	3.09	3.16	3.23
30.8	2.62	2.68	2.74	2.80	2.86	2.93	2.99	3.06	3.13	3.20	3.27
31.0	2.65	2.71	2.77	2.84	2.90	2.97	3.03	3.10	3.17	3.24	3.32
31.2	2.69	2.75	2.81	2.88	2.94	3.01	3.07	3.14	3.21	3.28	3.36
31.4	2.72	2.79	2.85	2.91	2.98	3.05	3.12	3.19	3.26	3.33	3.41
31.6	2.76	2.82	2.89	2.95	3.02	3.09	3.16	3.23	3.30	3.37	3.45
31.8	2.80	2.86	2.93	2.99	3.06	3.13	3.20	3.27	3.34	3.41	3.50
32.0	2.83	2.90	2.96	3.03	3.10	3.17	3.24	3.31	3.38	3.46	3.54
32.2	2.87	2.94	3.00	3.07	3.14	3.21	3.28	3.35	3.42	3.50	3.58
32.4	2.91	2.97	3.04	3.11	3.18	3.25	3.33	3.40	3.48	3.56	3.64
32.6	2.95	3.01	3.08	3.15	3.22	3.30	3.37	3.45	3.52	3.60	3.68
32.8	2.99	3.05	3.12	3.19	3.26	3.34	3.41	3.49	3.57	3.65	3.73
33.0	3.03	3.09	3.16	3.23	3.31	3.38	3.46	3.54	3.61	3.70	3.78
33.2	3.06	3.13	3.20	3.27	3.35	3.43	3.50	3.58	3.66	3.74	3.83
33.4	3.10	3.17	3.24	3.31	3.39	3.47	3.55	3.63	3.71	3.79	3.88
33.6	3.15	3.22	3.29	3.36	3.44	3.52	3.60	3.68	3.76	3.84	3.93
33.8	3.19	3.26	3.33	3.40	3.48	3.56	3.64	3.72	3.80	3.89	3.98
34.0	3.23	3.30	3.37	3.45	3.53	3.61	3.69	3.77	3.86	3.94	4.03
34.2	3.27	3.34	3.42	3.49	3.57	3.65	3.74	3.82	3.90	3.99	4.08
34.4	3.31	3.38	3.46	3.54	3.62	3.70	3.78	3.87	3.95	4.04	4.13
34.6	3.35	3.42	3.50	3.58	3.67	3.75	3.83	3.92	4.00	4.09	4.18
34.8	3.40	3.47	3.55	3.63	3.71	3.80	3.88	3.97	4.05	4.15	4.24
35.0	3.44	3.52	3.60	3.68	3.76	3.85	3.93	4.02	4.11	4.20	4.29

TABLE A-1 CONTINUED

TABLE PAGE 156

TEMP DEG C	7.50	7.51	7.52	7.53	7.54	PH 7.55	7.56	7.57	7.58	7.59	7.60
35.0	3.44	3.52	3.60	3.68	3.76	3.85	3.93	4.02	4.11	4.20	4.29
35.2	3.49	3.56	3.64	3.73	3.81	3.89	3.98	4.07	4.16	4.25	4.35
35.4	3.53	3.61	3.69	3.77	3.86	3.94	4.03	4.12	4.21	4.30	4.40
35.6	3.58	3.66	3.74	3.82	3.91	3.99	4.08	4.17	4.26	4.35	4.46
36.0	3.67	3.75	3.83	3.92	4.01	4.10	4.19	4.28	4.37	4.47	4.57
36.2											
36.4	3.71	3.80	3.88	3.97	4.06	4.15	4.24	4.34	4.43	4.53	4.63
36.6	3.76	3.85	3.93	4.02	4.11	4.20	4.29	4.39	4.49	4.59	4.69
36.8	3.81	3.89	3.98	4.07	4.16	4.25	4.35	4.45	4.55	4.65	4.75
37.0	3.86	3.94	4.03	4.12	4.21	4.31	4.40	4.50	4.60	4.70	4.81
37.2	3.91	3.99	4.08	4.17	4.27	4.36	4.46	4.56	4.66	4.76	4.87
37.4											
37.6	3.96	4.04	4.13	4.23	4.32	4.42	4.51	4.62	4.72	4.82	4.93
37.8	4.01	4.09	4.19	4.28	4.37	4.47	4.57	4.67	4.78	4.88	4.99
38.0	4.06	4.15	4.24	4.33	4.43	4.53	4.63	4.73	4.84	4.94	5.05
38.2	4.11	4.20	4.29	4.39	4.48	4.58	4.68	4.79	4.89	4.99	5.10
38.4	4.16	4.25	4.35	4.44	4.54	4.64	4.74	4.85	4.96	5.07	5.18
38.6											
38.8	4.21	4.30	4.40	4.50	4.60	4.70	4.80	4.91	5.02	5.13	5.24
39.0	4.26	4.36	4.45	4.55	4.65	4.76	4.86	4.97	5.08	5.19	5.31
39.2	4.31	4.41	4.51	4.61	4.71	4.82	4.92	5.03	5.14	5.26	5.37
39.4	4.37	4.47	4.57	4.67	4.77	4.88	4.98	5.09	5.20	5.32	5.44
39.6	4.42	4.52	4.62	4.72	4.83	4.94	5.05	5.16	5.27	5.39	5.51
39.8											
40.0	4.48	4.58	4.68	4.78	4.89	5.00	5.11	5.22	5.34	5.45	5.57
40.2	4.53	4.63	4.74	4.84	4.95	5.06	5.17	5.28	5.40	5.52	5.64
40.4	4.59	4.69	4.80	4.90	5.01	5.12	5.23	5.35	5.47	5.59	5.71
40.6	4.65	4.75	4.85	4.96	5.07	5.18	5.29	5.41	5.53	5.65	5.78
40.8											
41.0	4.70	4.81	4.91	5.02	5.13	5.25	5.36	5.48	5.60	5.72	5.85

TABLE A-1 CONTINUED

TEMP DEG C	7.60	7.61	7.62	7.63	7.64	pH 7.65	7.66	7.67	7.68	7.69	7.70
0	338	336	343	351	360	368	377	385	394	403	413
1	334	341	349	357	366	374	383	392	401	410	420
2	339	347	355	363	372	381	389	398	408	417	427
3	345	353	361	370	378	387	396	405	414	424	434
4	351	359	367	376	385	393	403	412	421	431	441
5	357	365	373	382	391	400	409	419	429	438	449
6	363	371	380	389	398	407	416	426	436	446	456
7	369	377	386	395	404	414	423	433	443	453	464
8	375	384	393	402	411	420	430	440	450	461	472
9	381	390	399	408	418	428	437	448	458	469	479
10	388	397	406	415	425	435	445	455	466	476	487
11	394	403	413	423	433	443	453	463	473	484	494
12	401	411	421	431	441	451	461	471	481	492	502
13	407	417	427	437	447	457	467	478	489	500	511
14	414	424	434	444	454	464	475	486	497	509	520
15	421	431	441	451	461	472	483	494	506	517	529
16	428	438	448	458	469	480	491	502	514	526	538
17	435	445	455	466	477	488	499	510	522	534	546
18	442	452	463	473	484	496	507	519	531	543	555
19	449	459	470	481	492	504	515	527	540	552	564
20	457	467	478	489	500	512	524	536	549	561	574
21	464	475	486	497	509	520	533	545	557	570	584
22	472	483	494	505	517	529	541	554	567	580	593
23	479	491	502	514	525	538	550	563	576	589	603
24	487	499	510	522	534	546	559	572	585	599	613
25	495	507	518	530	543	555	568	581	595	609	623
26	503	515	527	539	552	564	577	591	604	618	633
27	511	523	535	548	561	574	587	601	614	629	643
28	520	532	544	557	570	583	596	610	624	639	654
29	528	540	553	566	579	592	606	620	634	660	675
30	537	549	562	575	588	602	616	630	645	660	675
31	545	558	571	584	598	612	626	640	655	670	686
32	554	567	580	594	607	621	636	651	666	681	697
33	563	576	590	603	617	631	646	661	676	692	708
34	571	585	599	613	627	642	656	672	687	703	719
35	581	595	609	623	637	652	667	682	698	714	731

TABLE A-1 CONTINUED

TABLE PAGE 158

TEMP DEG C	7.60	7.61	7.62	7.63	7.64	PH 7.65	7.66	7.67	7.68	7.69	7.70
7.0	.581	.595	.609	.623	.637	.652	.667	.682	.698	.714	.731
7.2	.591	.604	.618	.633	.647	.662	.678	.693	.709	.726	.743
7.4	.600	.614	.628	.643	.658	.674	.689	.704	.721	.737	.754
7.6	.610	.624	.638	.653	.668	.684	.699	.716	.732	.749	.766
7.8	.619	.634	.648	.663	.679	.695	.711	.727	.744	.761	.779
8.0	.629	.644	.659	.674	.690	.706	.722	.739	.756	.773	.791
8.2	.639	.654	.669	.685	.701	.717	.733	.750	.768	.785	.804
8.4	.650	.665	.680	.696	.712	.728	.745	.762	.780	.798	.816
8.6	.660	.675	.691	.707	.723	.739	.756	.774	.792	.811	.829
8.8	.670	.686	.702	.718	.734	.751	.769	.787	.805	.823	.842
9.0	.681	.697	.713	.729	.746	.763	.781	.799	.817	.836	.856
9.2	.692	.708	.724	.741	.758	.775	.793	.812	.830	.850	.869
9.4	.703	.719	.735	.752	.770	.788	.806	.824	.843	.863	.883
9.6	.714	.730	.747	.764	.782	.800	.818	.837	.857	.876	.897
9.8	.725	.742	.759	.776	.794	.812	.831	.850	.870	.890	.911
10.0	.736	.753	.771	.788	.807	.825	.844	.864	.884	.904	.925
10.2	.748	.765	.783	.801	.819	.838	.858	.877	.898	.918	.939
10.4	.759	.777	.795	.813	.832	.851	.871	.891	.912	.933	.954
10.6	.771	.789	.807	.826	.845	.865	.884	.905	.926	.947	.969
10.8	.783	.801	.820	.839	.858	.878	.898	.919	.940	.962	.984
11.0	.795	.814	.833	.852	.872	.892	.912	.933	.955	.977	.999
11.2	.808	.826	.846	.865	.885	.905	.926	.948	.970	.992	1.015
11.4	.820	.839	.859	.879	.899	.920	.941	.962	.985	1.007	1.031
11.6	.833	.852	.872	.892	.913	.934	.955	.977	1.000	1.023	1.047
11.8	.846	.865	.885	.906	.927	.948	.970	.992	1.015	1.039	1.063
12.0	.859	.879	.899	.920	.941	.963	.985	1.008	1.031	1.055	1.079
12.2	.872	.892	.913	.934	.956	.978	1.000	1.023	1.047	1.071	1.096
12.4	.886	.906	.927	.948	.970	.993	1.016	1.039	1.063	1.087	1.113
12.6	.899	.920	.941	.963	.985	1.008	1.031	1.055	1.079	1.104	1.130
12.8	.913	.934	.956	.978	1.000	1.023	1.047	1.071	1.096	1.121	1.147
13.0	.927	.949	.970	.993	1.016	1.039	1.063	1.088	1.113	1.138	1.164
13.2	.941	.963	.985	1.008	1.031	1.055	1.079	1.104	1.130	1.156	1.182
13.4	.956	.978	1.000	1.023	1.047	1.071	1.096	1.121	1.147	1.173	1.200
13.6	.970	.993	1.016	1.039	1.063	1.088	1.112	1.138	1.164	1.191	1.218
13.8	.985	1.008	1.031	1.055	1.079	1.104	1.129	1.155	1.182	1.209	1.237
14.0	1.000	1.02	1.05	1.07	1.10	1.12	1.15	1.17	1.20	1.23	1.26

TEMP DEG C	7.60	7.61	7.62	7.63	7.64	PH 7.65	7.66	7.67	7.68	7.69	7.70
14.0	1.00	1.02	1.05	1.07	1.10	1.12	1.15	1.17	1.20	1.23	1.26
14.2	1.03	1.04	1.08	1.09	1.11	1.14	1.16	1.19	1.22	1.25	1.28
14.4	1.05	1.07	1.10	1.12	1.15	1.17	1.20	1.23	1.26	1.29	1.32
14.6	1.06	1.09	1.11	1.14	1.16	1.19	1.22	1.25	1.28	1.31	1.34
15.0	1.08	1.10	1.13	1.15	1.18	1.21	1.24	1.26	1.29	1.32	1.35
15.4	1.09	1.12	1.15	1.17	1.20	1.23	1.25	1.28	1.31	1.34	1.37
15.6	1.11	1.14	1.16	1.19	1.22	1.24	1.27	1.30	1.33	1.36	1.39
15.8	1.13	1.15	1.18	1.21	1.23	1.26	1.29	1.32	1.35	1.38	1.41
16.0	1.14	1.17	1.20	1.22	1.25	1.28	1.31	1.34	1.37	1.40	1.43
16.4	1.16	1.19	1.22	1.24	1.27	1.30	1.33	1.36	1.39	1.42	1.45
16.6	1.18	1.21	1.24	1.26	1.29	1.32	1.35	1.38	1.41	1.44	1.47
16.8	1.20	1.23	1.26	1.28	1.31	1.34	1.37	1.40	1.43	1.46	1.49
17.0	1.22	1.25	1.28	1.30	1.33	1.36	1.39	1.42	1.45	1.48	1.51
17.4	1.27	1.30	1.33	1.36	1.39	1.42	1.45	1.48	1.51	1.54	1.57
17.6	1.31	1.34	1.37	1.40	1.43	1.46	1.49	1.52	1.55	1.58	1.61
17.8	1.33	1.36	1.39	1.42	1.45	1.48	1.51	1.54	1.57	1.60	1.63
18.0	1.35	1.38	1.41	1.44	1.47	1.50	1.53	1.56	1.59	1.62	1.65
18.4	1.37	1.40	1.43	1.46	1.49	1.52	1.55	1.58	1.61	1.64	1.67
18.6	1.39	1.42	1.45	1.48	1.51	1.54	1.57	1.60	1.63	1.66	1.69
18.8	1.41	1.44	1.47	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.71
19.0	1.43	1.46	1.49	1.52	1.55	1.58	1.61	1.64	1.67	1.70	1.73
19.4	1.45	1.48	1.51	1.54	1.57	1.60	1.63	1.66	1.69	1.72	1.75
19.6	1.47	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.77
19.8	1.49	1.52	1.55	1.58	1.61	1.64	1.67	1.70	1.73	1.76	1.79
20.0	1.51	1.54	1.57	1.60	1.63	1.66	1.69	1.72	1.75	1.78	1.81
20.4	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.77	1.80	1.83
20.6	1.55	1.58	1.61	1.64	1.67	1.70	1.73	1.76	1.79	1.82	1.85
20.8	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.77	1.80	1.83	1.86
21.0	1.57	1.60	1.63	1.66	1.69	1.72	1.75	1.78	1.81	1.84	1.87

TABLE A-1 CONTINUED

TEMP DEG C	7.60	7.61	7.62	7.63	7.64	PH 7.65	7.66	7.67	7.68	7.69	7.70
21.0	1.67	1.71	1.75	1.79	1.83	1.87	1.91	1.96	2.00	2.05	2.10
21.2	1.70	1.73	1.77	1.81	1.86	1.90	1.94	1.99	2.03	2.08	2.13
21.4	1.72	1.76	1.80	1.84	1.89	1.93	1.97	2.01	2.06	2.11	2.16
21.6	1.74	1.78	1.83	1.87	1.91	1.95	1.99	2.04	2.09	2.14	2.19
21.8	1.77	1.81	1.85	1.89	1.94	1.98	2.03	2.07	2.12	2.17	2.22
22.0	1.80	1.84	1.88	1.92	1.96	2.01	2.06	2.10	2.15	2.20	2.25
22.2	1.82	1.86	1.90	1.95	1.99	2.04	2.08	2.13	2.18	2.23	2.28
22.4	1.85	1.89	1.93	1.98	2.02	2.07	2.11	2.16	2.21	2.26	2.31
22.6	1.87	1.92	1.96	2.00	2.05	2.10	2.14	2.19	2.24	2.29	2.34
22.8	1.90	1.94	1.99	2.03	2.08	2.13	2.17	2.22	2.27	2.32	2.37
23.0	1.93	1.97	2.02	2.06	2.11	2.16	2.21	2.26	2.31	2.36	2.41
23.2	1.95	2.00	2.04	2.09	2.14	2.19	2.24	2.29	2.34	2.39	2.44
23.4	1.98	2.03	2.07	2.12	2.17	2.22	2.27	2.32	2.37	2.42	2.47
23.6	2.01	2.05	2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50
23.8	2.04	2.08	2.13	2.18	2.23	2.28	2.33	2.38	2.43	2.48	2.53
24.0	2.07	2.11	2.16	2.21	2.26	2.31	2.36	2.41	2.46	2.51	2.56
24.2	2.10	2.14	2.19	2.24	2.29	2.34	2.39	2.44	2.49	2.54	2.59
24.4	2.13	2.17	2.22	2.27	2.32	2.37	2.42	2.47	2.52	2.57	2.62
24.6	2.16	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65
24.8	2.19	2.23	2.28	2.33	2.38	2.43	2.48	2.53	2.58	2.63	2.68
25.0	2.22	2.26	2.31	2.36	2.41	2.46	2.51	2.56	2.61	2.66	2.71
25.2	2.25	2.29	2.34	2.39	2.44	2.49	2.54	2.59	2.64	2.69	2.74
25.4	2.28	2.33	2.38	2.43	2.48	2.53	2.58	2.63	2.68	2.73	2.78
25.6	2.31	2.36	2.41	2.46	2.51	2.56	2.61	2.66	2.71	2.76	2.81
25.8	2.34	2.39	2.44	2.49	2.54	2.59	2.64	2.69	2.74	2.79	2.84
26.0	2.37	2.42	2.47	2.52	2.57	2.62	2.67	2.72	2.77	2.82	2.87
26.2	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90
26.4	2.43	2.48	2.53	2.58	2.63	2.68	2.73	2.78	2.83	2.88	2.93
26.6	2.46	2.51	2.56	2.61	2.66	2.71	2.76	2.81	2.86	2.91	2.96
26.8	2.49	2.54	2.59	2.64	2.69	2.74	2.79	2.84	2.89	2.94	2.99
27.0	2.52	2.57	2.62	2.67	2.72	2.77	2.82	2.87	2.92	2.97	3.02
27.2	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00	3.05
27.4	2.58	2.63	2.68	2.73	2.78	2.83	2.88	2.93	2.98	3.03	3.08
27.6	2.61	2.66	2.71	2.76	2.81	2.86	2.91	2.96	3.01	3.06	3.11
27.8	2.64	2.69	2.74	2.79	2.84	2.89	2.94	2.99	3.04	3.09	3.14
28.0	2.67	2.72	2.77	2.82	2.87	2.92	2.97	3.02	3.07	3.12	3.17

TABLE A-1 CONTINUED

TABLE PAGE 161

TEMP DEG C	7.60	7.61	7.62	7.63	7.64	PH	7.66	7.67	7.68	7.69	7.70
28.0	2.75	2.78	2.84	2.91	2.97	3.04	3.11	3.18	3.25	3.32	3.40
28.2	2.79	2.82	2.88	2.95	3.01	3.08	3.15	3.22	3.29	3.37	3.44
28.4	2.83	2.86	2.92	2.99	3.05	3.12	3.19	3.26	3.33	3.41	3.49
28.6	2.87	2.90	2.96	3.03	3.09	3.16	3.23	3.30	3.37	3.45	3.53
28.8	2.91	2.94	3.00	3.07	3.14	3.21	3.28	3.35	3.42	3.50	3.58
29.0	2.95	3.01	3.08	3.15	3.22	3.29	3.37	3.44	3.52	3.60	3.68
29.2	2.98	3.05	3.12	3.19	3.26	3.33	3.41	3.49	3.57	3.65	3.73
29.4	3.02	3.09	3.16	3.23	3.31	3.38	3.46	3.53	3.61	3.70	3.78
29.6	3.07	3.13	3.20	3.28	3.35	3.42	3.50	3.58	3.66	3.74	3.82
29.8	3.11	3.18	3.25	3.32	3.40	3.47	3.55	3.63	3.71	3.79	3.88
30.0	3.15	3.22	3.29	3.36	3.44	3.52	3.60	3.68	3.76	3.84	3.93
30.2	3.19	3.26	3.33	3.41	3.49	3.56	3.64	3.73	3.81	3.89	3.98
30.4	3.23	3.30	3.38	3.45	3.53	3.61	3.69	3.78	3.86	3.95	4.03
30.6	3.27	3.34	3.42	3.50	3.58	3.66	3.74	3.83	3.91	4.00	4.09
30.8	3.31	3.38	3.46	3.54	3.62	3.70	3.79	3.88	3.96	4.05	4.14
31.0	3.36	3.43	3.51	3.59	3.67	3.75	3.84	3.93	4.01	4.10	4.19
31.2	3.41	3.48	3.56	3.64	3.72	3.81	3.89	3.98	4.07	4.16	4.25
31.4	3.45	3.52	3.60	3.68	3.76	3.85	3.94	4.03	4.12	4.21	4.30
31.6	3.50	3.57	3.65	3.73	3.81	3.90	3.99	4.08	4.17	4.26	4.35
31.8	3.54	3.62	3.70	3.79	3.87	3.96	4.05	4.14	4.23	4.32	4.41
32.0	3.59	3.67	3.75	3.84	3.92	4.01	4.10	4.19	4.28	4.37	4.46
32.2	3.64	3.72	3.80	3.88	3.97	4.06	4.15	4.24	4.33	4.42	4.51
32.4	3.68	3.76	3.85	3.94	4.02	4.11	4.20	4.29	4.38	4.47	4.56
32.6	3.73	3.81	3.90	3.99	4.08	4.17	4.26	4.35	4.44	4.53	4.62
32.8	3.78	3.86	3.95	4.04	4.13	4.22	4.31	4.40	4.49	4.58	4.67
33.0	3.83	3.91	4.00	4.09	4.18	4.27	4.36	4.45	4.54	4.63	4.72
33.2	3.88	3.96	4.05	4.14	4.23	4.32	4.41	4.50	4.59	4.68	4.77
33.4	3.93	4.02	4.11	4.20	4.29	4.38	4.47	4.56	4.65	4.74	4.83
33.6	3.98	4.07	4.16	4.25	4.34	4.43	4.52	4.61	4.70	4.79	4.88
33.8	4.03	4.12	4.21	4.30	4.39	4.48	4.57	4.66	4.75	4.84	4.93
34.0	4.08	4.17	4.26	4.35	4.44	4.53	4.62	4.71	4.80	4.89	4.98
34.2	4.13	4.22	4.31	4.40	4.49	4.58	4.67	4.76	4.85	4.94	5.03
34.4	4.19	4.28	4.37	4.46	4.55	4.64	4.73	4.82	4.91	5.00	5.09
34.6	4.24	4.33	4.42	4.51	4.60	4.69	4.78	4.87	4.96	5.05	5.14
34.8	4.29	4.38	4.47	4.56	4.65	4.74	4.83	4.92	5.01	5.10	5.19
35.0	4.35	4.44	4.53	4.62	4.71	4.80	4.89	4.98	5.07	5.16	5.25

TABLE A-1 CONTINUED

TEMP DEG C	7.60	7.61	7.62	7.63	7.64	PH 7.65	7.66	7.67	7.68	7.69	7.70
35.0	4.29	4.39	4.49	4.59	4.69	4.79	4.90	5.01	5.12	5.23	5.35
35.2	4.35	4.45	4.54	4.65	4.75	4.85	4.96	5.07	5.18	5.29	5.41
35.4	4.40	4.50	4.60	4.70	4.81	4.91	5.02	5.13	5.24	5.36	5.48
35.6	4.46	4.56	4.66	4.76	4.87	4.98	5.09	5.20	5.31	5.43	5.55
35.8	4.52	4.62	4.72	4.82	4.93	5.04	5.15	5.26	5.37	5.49	5.61
36.0	4.57	4.68	4.78	4.88	4.99	5.10	5.21	5.33	5.44	5.57	5.69
36.2	4.63	4.73	4.84	4.95	5.06	5.17	5.28	5.40	5.51	5.64	5.76
36.4	4.69	4.79	4.90	5.01	5.12	5.23	5.35	5.46	5.57	5.70	5.83
36.6	4.75	4.85	4.96	5.07	5.18	5.30	5.41	5.52	5.63	5.75	5.88
36.8	4.81	4.91	5.02	5.13	5.24	5.36	5.47	5.58	5.69	5.82	5.95
37.0	4.87	4.98	5.09	5.20	5.31	5.43	5.55	5.67	5.78	5.92	6.05
37.2	4.93	5.04	5.15	5.26	5.38	5.50	5.62	5.74	5.87	6.00	6.13
37.4	4.99	5.10	5.21	5.33	5.45	5.57	5.69	5.81	5.94	6.07	6.20
37.6	5.05	5.16	5.28	5.39	5.51	5.63	5.75	5.88	6.01	6.14	6.28
37.8	5.12	5.23	5.34	5.46	5.58	5.70	5.83	5.96	6.09	6.23	6.36
38.0	5.18	5.29	5.41	5.53	5.65	5.77	5.90	6.03	6.16	6.30	6.43
38.2	5.24	5.36	5.48	5.60	5.72	5.84	5.97	6.10	6.23	6.37	6.51
38.4	5.31	5.42	5.54	5.67	5.79	5.92	6.05	6.18	6.31	6.45	6.59
38.6	5.37	5.49	5.61	5.74	5.86	5.99	6.12	6.25	6.38	6.53	6.67
38.8	5.44	5.56	5.68	5.81	5.93	6.06	6.19	6.32	6.45	6.60	6.75
39.0	5.51	5.63	5.75	5.88	6.00	6.14	6.27	6.41	6.55	6.69	6.83
39.2	5.57	5.70	5.82	5.95	6.08	6.21	6.34	6.48	6.63	6.77	6.92
39.4	5.64	5.76	5.89	6.02	6.15	6.29	6.42	6.56	6.71	6.85	7.00
39.6	5.71	5.84	5.96	6.09	6.23	6.36	6.50	6.64	6.79	6.93	7.08
39.8	5.78	5.91	6.04	6.17	6.30	6.44	6.58	6.72	6.87	7.01	7.15
40.0	5.85	5.98	6.11	6.24	6.38	6.52	6.66	6.80	6.95	7.10	7.25

TABLE A-I CONTINUED

TEMP DEG C	7.70	7.71	7.72	7.73	7.74	PH 7.75	7.76	7.77	7.78	7.79	7.80
0	.413	.422	.432	.442	.452	.463	.474	.485	.496	.507	.519
.2	.420	.429	.439	.450	.460	.471	.482	.493	.504	.516	.528
.4	.427	.437	.447	.457	.468	.479	.490	.501	.513	.524	.537
.6	.434	.444	.454	.465	.476	.487	.498	.509	.521	.532	.545
.8	.441	.451	.462	.473	.484	.495	.506	.517	.530	.542	.555
1.0	.449	.459	.470	.481	.492	.503	.515	.527	.539	.551	.564
1.2	.456	.467	.478	.489	.500	.512	.523	.536	.548	.561	.574
1.4	.464	.475	.486	.497	.508	.520	.532	.544	.557	.570	.583
1.6	.472	.482	.494	.505	.517	.529	.541	.553	.566	.580	.593
1.8	.487	.499	.510	.522	.534	.547	.559	.572	.585	.599	.613
2.0	.496	.507	.519	.531	.543	.556	.569	.582	.595	.609	.623
2.2	.504	.515	.527	.539	.552	.565	.578	.591	.605	.619	.634
2.4	.512	.524	.536	.549	.561	.574	.587	.601	.615	.629	.645
2.6	.529	.541	.554	.567	.580	.593	.607	.621	.636	.650	.665
2.8	.538	.550	.563	.576	.590	.603	.617	.631	.646	.661	.676
3.0	.547	.559	.572	.586	.599	.613	.627	.642	.657	.672	.687
3.2	.556	.569	.582	.595	.609	.623	.638	.652	.667	.682	.699
3.4	.574	.588	.601	.615	.629	.644	.659	.674	.690	.706	.722
3.6	.584	.597	.611	.625	.640	.654	.670	.685	.701	.717	.734
3.8	.593	.607	.621	.635	.650	.665	.680	.696	.712	.729	.746
4.0	.613	.627	.641	.656	.671	.686	.692	.709	.724	.741	.758
4.2	.623	.637	.652	.667	.682	.698	.714	.731	.748	.765	.783
4.4	.633	.647	.662	.678	.693	.709	.726	.743	.760	.777	.795
4.6	.643	.658	.673	.689	.705	.721	.738	.755	.772	.790	.808
4.8	.653	.669	.684	.700	.716	.733	.750	.767	.785	.803	.821
5.0	.664	.679	.695	.711	.728	.746	.762	.779	.797	.816	.835
5.2	.675	.690	.706	.723	.739	.756	.774	.792	.810	.829	.848
5.4	.686	.702	.718	.734	.751	.769	.786	.805	.823	.842	.862
5.6	.697	.713	.729	.746	.763	.781	.799	.818	.836	.856	.876
5.8	.708	.724	.741	.758	.776	.794	.812	.831	.850	.870	.890
6.0	.719	.736	.753	.770	.788	.806	.825	.844	.864	.883	.904
6.2	.731	.748	.765	.783	.801	.819	.838	.858	.877	.898	.918

TABLE A-1 CONTINUED

TEMP DEG C	7.70	7.71	7.72	7.73	7.74	PH 7.75	7.76	7.77	7.78	7.79	7.80
7.0	731	740	765	783	801	819	838	858	877	898	918
7.2	743	762	777	795	814	832	852	871	891	912	933
7.4	754	774	790	808	827	846	865	885	906	926	948
7.6	766	787	802	821	840	859	879	899	920	941	963
7.8	779	799	815	834	853	872	893	914	935	956	978
8.0	791	809	828	847	867	887	907	928	949	971	994
8.2	804	825	841	861	880	901	922	943	965	987	1.009
8.4	816	838	854	874	894	915	936	957	980	1.002	1.024
8.6	829	852	868	888	909	929	951	973	995	1.018	1.040
8.8	842	865	882	902	923	944	968	990	1.011	1.034	1.056
9.0	856	875	896	916	937	959	981	1.004	1.027	1.051	1.075
9.2	869	889	910	931	952	974	997	1.020	1.049	1.077	1.109
9.4	883	903	924	945	967	989	1.012	1.036	1.065	1.094	1.126
9.6	897	917	939	960	982	1.002	1.024	1.048	1.076	1.104	1.136
9.8	911	932	953	975	998	1.021	1.046	1.071	1.099	1.126	1.156
10.0	925	946	968	990	1.013	1.037	1.061	1.085	1.110	1.136	1.162
10.2	939	961	983	1.006	1.029	1.053	1.077	1.099	1.125	1.153	1.180
10.4	954	976	999	1.022	1.045	1.069	1.094	1.117	1.143	1.171	1.197
10.6	969	991	1.014	1.038	1.061	1.086	1.111	1.134	1.161	1.189	1.215
10.8	984	1.007	1.030	1.054	1.078	1.103	1.128	1.151	1.179	1.207	1.235
11.0	999	1.022	1.046	1.070	1.095	1.120	1.146	1.171	1.199	1.227	1.255
11.2	1.013	1.035	1.058	1.081	1.105	1.129	1.154	1.178	1.207	1.235	1.263
11.4	1.028	1.050	1.073	1.096	1.119	1.143	1.168	1.191	1.220	1.248	1.275
11.6	1.043	1.065	1.088	1.111	1.134	1.158	1.183	1.206	1.235	1.263	1.290
11.8	1.058	1.080	1.103	1.126	1.149	1.173	1.198	1.221	1.250	1.278	1.305
12.0	1.073	1.095	1.118	1.141	1.164	1.188	1.213	1.236	1.265	1.293	1.320
12.2	1.088	1.110	1.133	1.156	1.179	1.203	1.228	1.251	1.280	1.308	1.335
12.4	1.103	1.125	1.148	1.171	1.194	1.218	1.243	1.266	1.295	1.323	1.350
12.6	1.118	1.140	1.163	1.186	1.209	1.233	1.258	1.281	1.310	1.338	1.365
12.8	1.133	1.155	1.178	1.201	1.224	1.248	1.273	1.296	1.325	1.353	1.380
13.0	1.148	1.170	1.193	1.216	1.239	1.263	1.288	1.311	1.340	1.368	1.395
13.2	1.163	1.185	1.208	1.231	1.254	1.278	1.303	1.326	1.355	1.383	1.410
13.4	1.178	1.200	1.223	1.246	1.269	1.293	1.318	1.341	1.370	1.398	1.425
13.6	1.193	1.215	1.238	1.261	1.284	1.308	1.333	1.356	1.385	1.413	1.440
13.8	1.208	1.230	1.253	1.276	1.299	1.323	1.348	1.371	1.400	1.428	1.455
14.0	1.223	1.245	1.268	1.291	1.314	1.338	1.363	1.386	1.415	1.443	1.470

TEMP DEG C	7.70	7.71	7.72	7.73	7.74	PH 7.75	7.76	7.77	7.78	7.79	7.80
14.0	1.26	1.28	1.31	1.34	1.38	1.41	1.44	1.47	1.51	1.54	1.58
14.2	1.27	1.30	1.33	1.36	1.40	1.43	1.46	1.49	1.53	1.56	1.60
14.4	1.29	1.32	1.35	1.39	1.42	1.45	1.48	1.51	1.55	1.58	1.62
14.6	1.31	1.34	1.37	1.41	1.44	1.47	1.50	1.53	1.57	1.60	1.64
14.8	1.33	1.36	1.39	1.43	1.46	1.49	1.52	1.55	1.59	1.62	1.66
15.0	1.35	1.38	1.42	1.45	1.48	1.52	1.55	1.58	1.62	1.66	1.70
15.2	1.37	1.41	1.44	1.47	1.50	1.54	1.57	1.61	1.65	1.68	1.72
15.4	1.39	1.43	1.46	1.49	1.53	1.56	1.60	1.63	1.67	1.71	1.75
15.6	1.42	1.45	1.48	1.52	1.55	1.59	1.62	1.66	1.70	1.74	1.78
16.0	1.46	1.49	1.53	1.56	1.60	1.63	1.67	1.71	1.75	1.79	1.83
16.2	1.48	1.51	1.55	1.58	1.62	1.66	1.70	1.73	1.77	1.81	1.85
16.4	1.50	1.54	1.57	1.61	1.64	1.68	1.72	1.76	1.80	1.84	1.88
16.6	1.52	1.56	1.59	1.63	1.67	1.71	1.75	1.79	1.83	1.87	1.91
16.8	1.55	1.58	1.62	1.66	1.69	1.73	1.77	1.81	1.85	1.89	1.93
17.0	1.57	1.61	1.64	1.68	1.72	1.76	1.80	1.84	1.88	1.92	1.96
17.2	1.59	1.63	1.67	1.70	1.74	1.78	1.82	1.86	1.90	1.94	1.98
17.4	1.62	1.65	1.69	1.73	1.77	1.81	1.85	1.89	1.93	1.97	2.01
17.6	1.64	1.68	1.72	1.76	1.80	1.84	1.88	1.92	1.96	2.00	2.04
17.8	1.66	1.70	1.74	1.78	1.82	1.86	1.90	1.94	1.98	2.02	2.06
18.0	1.69	1.73	1.77	1.81	1.85	1.89	1.93	1.97	2.01	2.05	2.09
18.2	1.71	1.75	1.79	1.83	1.87	1.91	1.95	1.99	2.03	2.07	2.11
18.4	1.74	1.78	1.82	1.86	1.90	1.94	1.98	2.02	2.06	2.10	2.14
18.6	1.76	1.80	1.84	1.88	1.92	1.96	2.00	2.04	2.08	2.12	2.16
18.8	1.79	1.83	1.87	1.91	1.95	1.99	2.03	2.07	2.11	2.15	2.19
19.0	1.82	1.86	1.90	1.94	1.98	2.02	2.06	2.10	2.14	2.18	2.22
19.2	1.84	1.88	1.92	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.24
19.4	1.87	1.91	1.95	1.99	2.03	2.07	2.11	2.15	2.19	2.23	2.27
19.6	1.89	1.93	1.97	2.01	2.05	2.09	2.13	2.17	2.21	2.25	2.29
19.8	1.91	1.95	1.99	2.03	2.07	2.11	2.15	2.19	2.23	2.27	2.31
20.0	1.94	1.98	2.02	2.06	2.10	2.14	2.18	2.22	2.26	2.30	2.34
20.2	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32	2.36
20.4	1.98	2.02	2.06	2.10	2.14	2.18	2.22	2.26	2.30	2.34	2.38
20.6	1.99	2.03	2.07	2.11	2.15	2.19	2.23	2.27	2.31	2.35	2.39
20.8	2.01	2.05	2.09	2.13	2.17	2.21	2.25	2.29	2.33	2.37	2.41
21.0	2.03	2.07	2.11	2.15	2.19	2.23	2.27	2.31	2.35	2.39	2.43

TABLE A-1 CONTINUED

TABLE PAGE 166

TEMP DEG C	7.70	7.71	7.72	7.73	7.74	PH 7.75	7.76	7.77	7.78	7.79	7.80
21.0	2.10	2.14	2.19	2.24	2.29	2.35	2.40	2.45	2.51	2.57	2.60
21.2	2.13	2.17	2.22	2.27	2.33	2.38	2.43	2.48	2.54	2.60	2.64
21.4	2.16	2.20	2.25	2.30	2.36	2.41	2.46	2.51	2.57	2.63	2.67
21.6	2.19	2.23	2.28	2.33	2.39	2.45	2.50	2.55	2.61	2.67	2.71
21.8	2.22	2.26	2.31	2.36	2.42	2.48	2.53	2.58	2.64	2.70	2.74
22.0	2.25	2.29	2.34	2.39	2.45	2.52	2.57	2.62	2.68	2.74	2.78
22.2	2.28	2.32	2.37	2.42	2.48	2.55	2.60	2.65	2.71	2.77	2.80
22.4	2.31	2.35	2.40	2.45	2.51	2.58	2.63	2.68	2.74	2.80	2.84
22.6	2.35	2.39	2.44	2.49	2.55	2.62	2.67	2.72	2.78	2.84	2.88
22.8	2.41	2.45	2.50	2.55	2.61	2.68	2.73	2.78	2.84	2.90	2.94
23.0	2.45	2.49	2.54	2.59	2.65	2.72	2.77	2.82	2.88	2.94	2.98
23.2	2.48	2.52	2.57	2.62	2.68	2.75	2.80	2.85	2.91	2.97	3.00
23.4	2.52	2.56	2.61	2.66	2.72	2.79	2.84	2.89	2.95	3.01	3.05
23.6	2.55	2.59	2.64	2.69	2.75	2.82	2.87	2.92	2.98	3.04	3.08
23.8	2.59	2.63	2.68	2.73	2.79	2.86	2.91	2.96	3.02	3.08	3.12
24.0	2.66	2.70	2.75	2.80	2.86	2.93	2.98	3.03	3.09	3.15	3.19
24.2	2.70	2.74	2.79	2.84	2.90	2.97	3.02	3.07	3.13	3.19	3.23
24.4	2.73	2.77	2.82	2.87	2.93	3.00	3.05	3.10	3.16	3.22	3.26
24.6	2.77	2.81	2.86	2.91	2.97	3.04	3.09	3.14	3.20	3.26	3.30
24.8	2.80	2.84	2.89	2.94	2.99	3.06	3.11	3.16	3.22	3.28	3.32
25.0	2.85	2.89	2.94	2.99	3.05	3.12	3.17	3.22	3.28	3.34	3.38
25.2	2.88	2.92	2.97	3.02	3.08	3.15	3.20	3.25	3.31	3.37	3.41
25.4	2.91	2.95	3.00	3.05	3.11	3.18	3.23	3.28	3.34	3.40	3.44
25.6	2.95	2.99	3.04	3.09	3.15	3.22	3.27	3.32	3.38	3.44	3.48
25.8	2.98	3.02	3.07	3.12	3.18	3.25	3.30	3.35	3.41	3.47	3.51
26.0	3.01	3.05	3.10	3.15	3.21	3.28	3.33	3.38	3.44	3.50	3.54
26.2	3.05	3.09	3.14	3.19	3.25	3.32	3.37	3.42	3.48	3.54	3.58
26.4	3.08	3.12	3.17	3.22	3.28	3.35	3.40	3.45	3.51	3.57	3.61
26.6	3.12	3.16	3.21	3.26	3.32	3.39	3.44	3.49	3.55	3.61	3.65
26.8	3.15	3.19	3.24	3.29	3.35	3.42	3.47	3.52	3.58	3.64	3.68
27.0	3.18	3.22	3.27	3.32	3.38	3.45	3.50	3.55	3.61	3.67	3.71
27.2	3.22	3.26	3.31	3.36	3.42	3.49	3.54	3.59	3.65	3.71	3.75
27.4	3.26	3.30	3.35	3.40	3.46	3.53	3.58	3.63	3.69	3.75	3.79
27.6	3.30	3.34	3.39	3.44	3.50	3.57	3.62	3.67	3.73	3.79	3.83
27.8	3.34	3.38	3.43	3.48	3.54	3.61	3.66	3.71	3.77	3.83	3.87
28.0	3.38	3.42	3.47	3.52	3.58	3.65	3.70	3.75	3.81	3.87	3.91

TABLE A-1 CONTINUED

TABLE PAGE 167

TEMP DEG C	7.70	7.71	7.72	7.73	7.74	PH 7.75	7.76	7.77	7.78	7.79	7.80
28.0	3.40	3.47	3.55	3.63	3.71	3.80	3.88	3.97	4.06	4.15	4.20
28.2	3.44	3.52	3.60	3.68	3.76	3.85	3.93	4.02	4.11	4.20	4.30
28.4	3.49	3.57	3.65	3.73	3.81	3.90	3.99	4.07	4.16	4.26	4.35
28.6	3.54	3.62	3.70	3.78	3.86	3.95	4.04	4.13	4.22	4.31	4.41
28.8	3.58	3.66	3.75	3.83	3.92	4.00	4.09	4.18	4.28	4.37	4.47
29.0	3.63	3.71	3.80	3.88	3.97	4.06	4.15	4.24	4.33	4.43	4.53
29.2	3.68	3.76	3.85	3.93	4.02	4.11	4.20	4.30	4.39	4.49	4.59
29.4	3.73	3.81	3.90	3.98	4.07	4.16	4.26	4.35	4.45	4.55	4.65
29.6	3.78	3.86	3.95	4.04	4.13	4.22	4.31	4.41	4.51	4.61	4.71
29.8	3.83	3.91	4.00	4.09	4.18	4.27	4.37	4.47	4.57	4.67	4.77
30.0	3.88	3.97	4.05	4.14	4.24	4.33	4.43	4.53	4.63	4.73	4.83
30.2	3.93	4.02	4.11	4.20	4.30	4.39	4.49	4.59	4.69	4.79	4.90
30.4	3.98	4.07	4.16	4.25	4.35	4.45	4.55	4.65	4.75	4.85	4.96
30.6	4.03	4.12	4.22	4.31	4.41	4.50	4.60	4.70	4.81	4.92	5.03
30.8	4.09	4.18	4.27	4.37	4.46	4.56	4.66	4.77	4.87	4.98	5.09
31.0	4.14	4.23	4.33	4.42	4.52	4.62	4.73	4.83	4.94	5.05	5.16
31.2	4.20	4.29	4.38	4.48	4.58	4.68	4.79	4.89	5.00	5.11	5.22
31.4	4.25	4.34	4.44	4.54	4.64	4.74	4.85	4.96	5.07	5.18	5.29
31.6	4.31	4.40	4.50	4.60	4.70	4.81	4.91	5.02	5.13	5.25	5.36
31.8	4.36	4.46	4.56	4.66	4.76	4.87	4.98	5.09	5.20	5.31	5.43
32.0	4.42	4.52	4.62	4.72	4.82	4.93	5.04	5.15	5.26	5.38	5.50
32.2	4.48	4.58	4.68	4.78	4.89	4.99	5.10	5.22	5.33	5.45	5.57
32.4	4.53	4.63	4.74	4.84	4.95	5.06	5.17	5.28	5.39	5.52	5.64
32.6	4.59	4.69	4.80	4.90	5.01	5.12	5.23	5.35	5.47	5.59	5.71
32.8	4.65	4.75	4.86	4.97	5.08	5.19	5.30	5.42	5.54	5.67	5.80
33.0	4.71	4.82	4.92	5.03	5.14	5.26	5.37	5.49	5.61	5.73	5.86
33.2	4.77	4.88	4.99	5.10	5.21	5.32	5.44	5.56	5.68	5.81	5.93
33.4	4.83	4.94	5.05	5.16	5.27	5.39	5.51	5.63	5.75	5.88	6.01
33.6	4.89	5.00	5.11	5.23	5.34	5.46	5.58	5.70	5.83	5.95	6.08
33.8	4.95	5.07	5.18	5.29	5.40	5.52	5.65	5.77	5.90	6.01	6.14
34.0	5.02	5.13	5.24	5.36	5.47	5.59	5.72	5.85	6.00	6.11	6.24
34.2	5.08	5.20	5.31	5.43	5.55	5.67	5.80	5.92	6.05	6.18	6.30
34.4	5.15	5.26	5.37	5.49	5.61	5.74	5.87	6.00	6.13	6.26	6.40
34.6	5.23	5.34	5.45	5.57	5.69	5.81	5.94	6.07	6.20	6.34	6.48
34.8	5.30	5.41	5.52	5.64	5.76	5.89	6.02	6.15	6.28	6.42	6.56
35.0	5.38	5.49	5.60	5.72	5.84	5.96	6.09	6.22	6.36	6.50	6.66

TABLE A-1 CONTINUED

TEMP DEG C	7.70	7.71	7.72	7.73	7.74	PH	7.76	7.77	7.78	7.79	7.80
35.0	5.35	5.46	5.58	5.71	5.83	7.75	6.09	6.22	6.36	6.50	6.64
35.2	5.41	5.53	5.65	5.78	5.91	5.96	6.17	6.30	6.44	6.58	6.72
35.4	5.48	5.60	5.73	5.85	5.98	6.03	6.24	6.38	6.52	6.66	6.80
35.6	5.55	5.67	5.80	5.92	6.05	6.11	6.32	6.46	6.60	6.74	6.89
35.8	5.62	5.74	5.87	5.99	6.13	6.19	6.40	6.54	6.68	6.83	6.97
36.0	5.69	5.82	5.94	6.07	6.21	6.26	6.48	6.62	6.76	6.91	7.06
36.2	5.76	5.89	6.02	6.15	6.28	6.34	6.56	6.70	6.85	6.99	7.15
36.4	5.83	5.96	6.09	6.22	6.36	6.42	6.64	6.78	6.93	7.08	7.23
36.6	5.91	6.03	6.17	6.30	6.44	6.50	6.72	6.87	7.02	7.17	7.32
36.8	5.98	6.11	6.24	6.38	6.52	6.58	6.80	6.95	7.10	7.26	7.41
37.0	6.05	6.18	6.32	6.46	6.60	6.66	6.89	7.04	7.19	7.34	7.50
37.2	6.13	6.26	6.40	6.54	6.68	6.82	6.97	7.12	7.28	7.43	7.59
37.4	6.20	6.34	6.48	6.62	6.76	6.91	7.06	7.21	7.36	7.52	7.68
37.6	6.28	6.42	6.56	6.70	6.84	6.99	7.14	7.30	7.45	7.61	7.78
37.8	6.36	6.49	6.64	6.78	6.93	7.08	7.23	7.38	7.54	7.71	7.87
38.0	6.43	6.57	6.72	6.86	7.01	7.16	7.32	7.47	7.64	7.80	7.97
38.2	6.51	6.65	6.80	6.95	7.10	7.25	7.41	7.56	7.73	7.89	8.06
38.4	6.59	6.73	6.88	7.03	7.18	7.34	7.49	7.66	7.82	7.99	8.16
38.6	6.67	6.82	6.96	7.11	7.27	7.42	7.58	7.75	7.91	8.08	8.25
38.8	6.75	6.90	7.05	7.20	7.36	7.51	7.67	7.84	8.00	8.18	8.35
39.0	6.83	6.98	7.13	7.29	7.44	7.60	7.77	7.93	8.10	8.28	8.45
39.2	6.92	7.07	7.22	7.37	7.53	7.70	7.86	8.03	8.20	8.38	8.56
39.4	7.00	7.15	7.31	7.46	7.62	7.79	7.95	8.12	8.30	8.47	8.66
39.6	7.08	7.24	7.39	7.55	7.71	7.88	8.05	8.22	8.40	8.57	8.76
39.8	7.17	7.32	7.48	7.64	7.81	7.97	8.14	8.32	8.50	8.68	8.89
40.0	7.25	7.41	7.57	7.73	7.90	8.07	8.24	8.42	8.60	8.78	8.96

TABLE A-1 CONTINUED

TABLE PAGE 169

TEMP DEG C	7.80	7.81	7.82	7.83	7.84	PH 7.85	7.86	7.87	7.88	7.89	7.90
0	.519	.531	.543	.556	.568	.582	.595	.609	.623	.638	.652
.2	.528	.540	.552	.565	.578	.592	.605	.619	.634	.649	.663
.4	.537	.549	.562	.575	.588	.602	.616	.630	.644	.659	.675
.6	.546	.558	.571	.584	.598	.612	.626	.641	.655	.670	.686
.8	.555	.567	.581	.594	.608	.623	.637	.651	.666	.682	.698
1.0	.564	.577	.591	.604	.618	.633	.647	.662	.677	.693	.709
1.	.574	.587	.600	.614	.629	.642	.658	.673	.689	.705	.721
1.1	.583	.597	.611	.625	.639	.654	.669	.684	.700	.717	.733
1.2	.593	.607	.621	.635	.650	.665	.680	.696	.712	.728	.745
1.4	.603	.617	.631	.646	.661	.676	.691	.707	.724	.741	.758
1.6	.613	.627	.642	.656	.672	.687	.703	.719	.736	.753	.770
2.	.623	.637	.652	.667	.683	.699	.715	.731	.748	.765	.783
2.2	.633	.648	.663	.678	.694	.710	.727	.743	.760	.778	.796
2.4	.644	.659	.674	.690	.706	.722	.739	.756	.773	.791	.809
2.6	.655	.670	.685	.701	.717	.734	.751	.768	.786	.804	.823
3.	.665	.681	.696	.713	.729	.746	.763	.781	.799	.817	.836
3.2	.676	.692	.708	.724	.741	.758	.776	.794	.812	.831	.850
3.4	.687	.703	.720	.736	.753	.771	.788	.807	.825	.844	.864
3.6	.699	.715	.731	.748	.766	.783	.801	.820	.839	.858	.878
3.8	.710	.727	.743	.761	.778	.796	.815	.834	.853	.872	.892
4.	.722	.739	.756	.773	.791	.809	.828	.847	.867	.887	.907
4.2	.734	.751	.768	.786	.804	.822	.841	.861	.881	.901	.927
4.4	.746	.763	.780	.799	.817	.836	.855	.875	.895	.916	.937
4.6	.758	.775	.793	.812	.830	.849	.869	.889	.910	.931	.952
4.8	.770	.788	.806	.825	.844	.863	.883	.904	.924	.946	.968
5.	.783	.801	.819	.838	.857	.877	.898	.918	.939	.961	.983
5.2	.795	.814	.832	.852	.871	.892	.912	.933	.955	.977	.999
5.4	.808	.827	.846	.866	.885	.906	.927	.948	.970	.992	1.013
5.6	.821	.840	.860	.880	.900	.921	.942	.964	.986	1.008	1.032
5.8	.835	.854	.874	.894	.914	.935	.957	.979	1.001	1.024	1.048
6.	.848	.868	.888	.908	.929	.951	.972	.995	1.018	1.041	1.065
6.2	.862	.882	.902	.923	.944	.966	.988	1.011	1.034	1.058	1.083
6.4	.876	.896	.916	.938	.959	.981	1.004	1.027	1.051	1.075	1.100
6.6	.890	.910	.931	.953	.975	1.007	1.030	1.054	1.078	1.102	1.127
6.8	.904	.925	.946	.968	.990	1.023	1.046	1.070	1.095	1.119	1.145
7.	.918	.939	.961	.983	1.006	1.029	1.053	1.077	1.102	1.127	1.153

TABLE A-1 CONTINUED

TABLE PAGE 170

TEMP DEG C	7.80	7.81	7.82	7.83	7.84	PH 7.85	7.86	7.87	7.88	7.89	7.90
7.0	.918	.939	.961	.983	1.002	.9	1.053	1.077	1.102	1.125	1.152
7.2	.933	.954	.977	.999	1.028	.02	1.070	1.094	1.117	1.145	1.179
7.4	.948	.970	.992	1.015	1.055	.06	1.087	1.112	1.137	1.162	1.190
7.6	.963	.985	1.008	1.031	1.079	.09	1.101	1.127	1.152	1.177	1.204
7.8	.978	1.001	1.024	1.047	1.099	.11	1.113	1.140	1.165	1.190	1.218
8.0	.994	1.017	1.040	1.064	1.118	.14	1.113	1.141	1.166	1.191	1.220
8.2	1.013	1.03	1.06	1.08	1.14	.13	1.119	1.148	1.173	1.198	1.224
8.4	1.034	1.057	1.079	1.102	1.16	.15	1.123	1.153	1.178	1.203	1.230
8.6	1.046	1.08	1.11	1.13	1.18	.17	1.123	1.154	1.179	1.204	1.231
8.8	1.067	1.10	1.12	1.15	1.21	.20	1.123	1.155	1.180	1.205	1.232
9.0	1.09	1.13	1.14	1.17	1.23	.22	1.123	1.157	1.182	1.207	1.234
9.2	1.113	1.15	1.16	1.19	1.25	.26	1.123	1.159	1.184	1.209	1.236
9.4	1.134	1.17	1.18	1.21	1.27	.28	1.123	1.161	1.186	1.211	1.238
9.6	1.146	1.19	1.20	1.23	1.29	.30	1.123	1.163	1.188	1.213	1.240
9.8	1.180	1.23	1.25	1.28	1.34	.32	1.123	1.165	1.190	1.215	1.242
10.0	1.224	1.28	1.31	1.34	1.41	.36	1.123	1.167	1.192	1.217	1.244
10.2	1.245	1.31	1.33	1.36	1.44	.41	1.123	1.169	1.194	1.219	1.246
10.4	1.280	1.35	1.37	1.40	1.48	.45	1.123	1.171	1.196	1.221	1.248
10.6	1.313	1.39	1.41	1.44	1.52	.49	1.123	1.173	1.198	1.223	1.250
10.8	1.335	1.42	1.44	1.47	1.56	.52	1.123	1.175	1.200	1.225	1.252
11.0	1.380	1.47	1.49	1.52	1.61	.56	1.123	1.177	1.202	1.227	1.254
11.2	1.424	1.51	1.53	1.56	1.65	.60	1.123	1.179	1.204	1.229	1.256
11.4	1.481	1.57	1.59	1.62	1.71	.64	1.123	1.181	1.206	1.231	1.258
11.6	1.548	1.64	1.66	1.69	1.78	.69	1.123	1.183	1.208	1.233	1.260
11.8	1.625	1.72	1.74	1.77	1.86	.73	1.123	1.185	1.210	1.235	1.262
12.0	1.713	1.81	1.83	1.86	1.95	.76	1.123	1.187	1.212	1.237	1.264
12.2	1.811	1.91	1.93	1.96	2.05		1.123	1.189	1.214	1.239	1.266
12.4	1.919	2.02	2.04	2.07	2.16		1.123	1.191	1.216	1.241	1.268
12.6	2.037	2.14	2.16	2.19	2.28		1.123	1.193	1.218	1.243	1.270
12.8	2.165	2.27	2.29	2.32	2.41		1.123	1.195	1.220	1.245	1.272
13.0	2.303	2.41	2.43	2.46	2.55		1.123	1.197	1.222	1.247	1.274
13.2	2.451	2.56	2.58	2.61	2.70		1.123	1.199	1.224	1.249	1.276
13.4	2.609	2.71	2.73	2.76	2.85		1.123	1.201	1.226	1.251	1.278
13.6	2.777	2.88	2.90	2.93	3.02		1.123	1.203	1.228	1.253	1.280
13.8	2.955	3.06	3.08	3.11	3.20		1.123	1.205	1.230	1.255	1.282
14.0	3.143	3.25	3.27	3.30	3.39		1.123	1.207	1.232	1.257	1.284
14.2	3.341	3.45	3.47	3.50	3.59		1.123	1.209	1.234	1.259	1.286
14.4	3.549	3.66	3.68	3.71	3.80		1.123	1.211	1.236	1.261	1.288
14.6	3.767	3.88	3.90	3.93	4.02		1.123	1.213	1.238	1.263	1.290
14.8	3.995	4.11	4.13	4.16	4.25		1.123	1.215	1.240	1.265	1.292
15.0	4.233	4.35	4.37	4.40	4.49		1.123	1.217	1.242	1.267	1.294
15.2	4.481	4.60	4.62	4.65	4.74		1.123	1.219	1.244	1.269	1.296
15.4	4.739	4.85	4.87	4.90	5.00		1.123	1.221	1.246	1.271	1.298
15.6	5.007	5.12	5.14	5.17	5.26		1.123	1.223	1.248	1.273	1.300
15.8	5.285	5.40	5.42	5.45	5.54		1.123	1.225	1.250	1.275	1.302
16.0	5.573	5.69	5.71	5.74	5.83		1.123	1.227	1.252	1.277	1.304
16.2	5.871	5.99	6.01	6.04	6.13		1.123	1.229	1.254	1.279	1.306
16.4	6.179	6.30	6.32	6.35	6.44		1.123	1.231	1.256	1.281	1.308
16.6	6.497	6.61	6.63	6.66	6.75		1.123	1.233	1.258	1.283	1.310
16.8	6.825	6.94	6.96	6.99	7.08		1.123	1.235	1.260	1.285	1.312
17.0	7.163	7.28	7.30	7.33	7.42		1.123	1.237	1.262	1.287	1.314
17.2	7.511	7.63	7.65	7.68	7.77		1.123	1.239	1.264	1.289	1.316
17.4	7.869	7.98	8.00	8.03	8.12		1.123	1.241	1.266	1.291	1.318
17.6	8.237	8.35	8.37	8.40	8.49		1.123	1.243	1.268	1.293	1.320
17.8	8.615	8.73	8.75	8.78	8.87		1.123	1.245	1.270	1.295	1.322
18.0	8.993	9.11	9.13	9.16	9.25		1.123	1.247	1.272	1.297	1.324
18.2	9.381	9.50	9.52	9.55	9.64		1.123	1.249	1.274	1.299	1.326
18.4	9.779	9.89	9.91	9.94	10.03		1.123	1.251	1.276	1.301	1.328
18.6	10.187	10.30	10.32	10.35	10.44		1.123	1.253	1.278	1.303	1.330
18.8	10.605	10.72	10.74	10.77	10.86		1.123	1.255	1.280	1.305	1.332
19.0	11.033	11.15	11.17	11.20	11.29		1.123	1.257	1.282	1.307	1.334
19.2	11.471	11.59	11.61	11.64	11.73		1.123	1.259	1.284	1.309	1.336
19.4	11.919	12.03	12.05	12.08	12.17		1.123	1.261	1.286	1.311	1.338
19.6	12.377	12.49	12.51	12.54	12.63		1.123	1.263	1.288	1.313	1.340
19.8	12.845	12.96	12.98	13.01	13.10		1.123	1.265	1.290	1.315	1.342
20.0	13.323	13.44	13.46	13.49	13.58		1.123	1.267	1.292	1.317	1.344
20.2	13.811	13.93	13.95	13.98	14.07		1.123	1.269	1.294	1.319	1.346
20.4	14.309	14.42	14.44	14.47	14.56		1.123	1.271	1.296	1.321	1.348
20.6	14.817	14.93	14.95	14.98	15.07		1.123	1.273	1.298	1.323	1.350
20.8	15.335	15.45	15.47	15.50	15.59		1.123	1.275	1.300	1.325	1.352
21.0	15.863	15.98	16.00	16.03	16.12		1.123	1.277	1.302	1.327	1.354
21.2	16.401	16.52	16.54	16.57	16.66		1.123	1.279	1.304	1.329	1.356
21.4	16.949	17.06	17.08	17.11	17.20		1.123	1.281	1.306	1.331	1.358
21.6	17.507	17.62	17.64	17.67	17.76		1.123	1.283	1.308	1.333	1.360
21.8	18.075	18.19	18.21	18.24	18.33		1.123	1.285	1.310	1.335	1.362
22.0	18.653	18.77	18.79	18.82	18.91		1.123	1.287	1.312	1.337	1.364
22.2	19.241	19.36	19.38	19.41	19.50		1.123	1.289	1.314	1.339	1.366
22.4	19.839	19.95	19.97	20.00	20.09		1.123	1.291	1.316	1.341	1.368
22.6	20.447	20.56	20.58	20.61	20.70		1.123	1.293	1.318	1.343	1.370
22.8	21.065	21.18	21.20	21.23	21.32		1.123	1.295	1.320	1.345	1.372
23.0	21.693	21.81	21.83	21.86	21.95		1.123	1.297	1.322	1.347	1.374
23.2	22.331	22.45	22.47	22.50	22.59		1.123	1.299	1.324	1.349	1.376
23.4	22.979	23.09	23.11	23.14	23.23		1.123	1.301	1.326	1.351	1.378
23.6	23.637	23.75	23.77	23.80	23.89		1.123	1.303	1.328	1.353	1.380
23.8	24.305	24.42	24.44	24.47	24.56		1.123	1.305	1.330	1.355	1.382
24.0	24.983	25.10	25.12	25.15	25.24		1.123	1.307	1.332	1.357	1.384
24.2	25.671	25.79	25.81	25.84	25.93		1.123	1.309	1.334	1.359	1.386
24.4	26.369	26.48	26.50	26.53	26.62		1.123	1.311	1.336	1.361	1.388
24.6	27.077	27.19	27.21	27.24	27.33		1.123	1.313	1.338	1.363	1.390
24.8	27.795	27.91	27.93	27.96	28.05		1.123	1.315	1.340	1.365	1.392
25.0	28.523	28.64	28.66	28.69	28.78		1.123	1.317	1.342	1.367	1.394
25.2	29.261	29.38	29.40	29.43	29.52		1.123	1.319	1.344	1.369	1.396
25.4	30.009	30.12	30.14	30.17	30.26		1.123	1.321	1.346	1.371	1.398
25.6	30.767	30.88	30.90	30.93	31.02		1.123	1.323	1.348	1.373	1.400
25.8	31.535	31.65	31.67	31.70	31.79		1.123	1.325	1.350	1.375	1.402
26.0	32.313	32.43	32.45	32.48	32.57		1.123	1.327	1.352	1.377	1.404
26.2	33.101	33.22	33.24	33.27	33.36		1.123	1.329	1.354	1.379	1.406
26.4	33.899	34.01	34.03	34.06	34.15		1.123	1.331	1.356	1.381	1.408
26.6	34.707	34.82	34.84	34.87	34.96		1.123	1.333	1.358	1.383	1.410
26.8	35.525	35.64	35.66	35.69	35.78		1.123	1.335	1.360	1.385	1.412
27.0	36.353	36.47	36.49	36.52	36.61		1.123	1.337	1.362	1.387	1.414
27.2	37.191	37.31	37.33	37.36	37.45		1.123	1.339	1.364	1.389	1.416
27.4	38.039	38.15	38.17	38.20	38.29		1.123	1.341	1.366	1.391	1.418
27.6	38.897	39.01									

TABLE A-1 CONTINUED

TEMP DEG C	7.80	7.81	7.82	7.83	7.84	PH 7.85	7.86	7.87	7.88	7.89	7.90
14.0	1.580	1.611	1.655	1.691	1.735	1.769	1.813	1.857	1.892	1.933	1.988
14.2	1.602	1.646	1.670	1.714	1.758	1.792	1.836	1.880	1.925	1.969	2.014
14.4	1.625	1.669	1.692	1.736	1.780	1.824	1.868	1.912	1.957	2.001	2.047
14.6	1.647	1.691	1.714	1.758	1.802	1.846	1.890	1.934	1.978	2.022	2.068
15.0	1.670	1.714	1.738	1.782	1.826	1.870	1.914	1.958	2.002	2.046	2.093
15.2	1.725	1.769	1.803	1.847	1.891	1.935	1.979	2.023	2.067	2.111	2.155
15.4	1.778	1.822	1.866	1.910	1.954	1.998	2.042	2.086	2.130	2.174	2.218
15.6	1.803	1.847	1.891	1.935	1.979	2.023	2.067	2.111	2.155	2.199	2.243
16.0	1.868	1.901	1.945	1.989	2.033	2.077	2.121	2.165	2.209	2.253	2.297
16.2	1.888	1.932	1.976	2.020	2.064	2.108	2.152	2.196	2.240	2.284	2.328
16.4	1.914	1.958	2.002	2.046	2.090	2.134	2.178	2.222	2.266	2.310	2.354
16.6	1.947	1.991	2.035	2.079	2.123	2.167	2.211	2.255	2.299	2.343	2.387
17.0	2.003	2.047	2.091	2.135	2.179	2.223	2.267	2.311	2.355	2.399	2.443
17.2	2.033	2.077	2.121	2.165	2.209	2.253	2.297	2.341	2.385	2.429	2.473
17.4	2.069	2.113	2.157	2.201	2.245	2.289	2.333	2.377	2.421	2.465	2.509
17.6	2.092	2.136	2.180	2.224	2.268	2.312	2.356	2.400	2.444	2.488	2.532
18.0	2.158	2.202	2.246	2.290	2.334	2.378	2.422	2.466	2.510	2.554	2.598
18.2	2.181	2.225	2.269	2.313	2.357	2.401	2.445	2.489	2.533	2.577	2.621
18.4	2.214	2.258	2.302	2.346	2.390	2.434	2.478	2.522	2.566	2.610	2.654
18.6	2.228	2.272	2.316	2.360	2.404	2.448	2.492	2.536	2.580	2.624	2.668
19.0	2.248	2.292	2.336	2.380	2.424	2.468	2.512	2.556	2.600	2.644	2.688
19.2	2.334	2.378	2.422	2.466	2.510	2.554	2.598	2.642	2.686	2.730	2.774
19.4	2.348	2.392	2.436	2.480	2.524	2.568	2.612	2.656	2.700	2.744	2.788
19.6	2.444	2.488	2.532	2.576	2.620	2.664	2.708	2.752	2.796	2.840	2.884
20.0	2.488	2.532	2.576	2.620	2.664	2.708	2.752	2.796	2.840	2.884	2.928
20.2	2.559	2.603	2.647	2.691	2.735	2.779	2.823	2.867	2.911	2.955	2.999
20.4	2.562	2.606	2.650	2.694	2.738	2.782	2.826	2.870	2.914	2.958	3.002
20.6	2.562	2.606	2.650	2.694	2.738	2.782	2.826	2.870	2.914	2.958	3.002
20.8	2.562	2.606	2.650	2.694	2.738	2.782	2.826	2.870	2.914	2.958	3.002
21.0	2.562	2.606	2.650	2.694	2.738	2.782	2.826	2.870	2.914	2.958	3.002

TABLE PAGE 171

TABLE A-1 CONTINUED

TABLE PAGE 172

TEMP DEG C	7.80	7.81	7.82	7.83	7.84	PH	7.86	7.87	7.88	7.89	7.90
21.0	2.66	2.68	2.74	2.81	2.87	7.85	3.00	3.07	3.14	3.20	3.23
21.4	2.67	2.70	2.78	2.85	2.91	7.85	3.01	3.08	3.15	3.21	3.24
21.6	2.68	2.72	2.80	2.88	2.94	7.85	3.02	3.10	3.17	3.23	3.26
22.0	2.70	2.76	2.86	2.93	3.00	7.85	3.03	3.11	3.18	3.24	3.27
22.4	2.72	2.80	2.90	2.97	3.04	7.85	3.04	3.12	3.19	3.25	3.28
22.6	2.74	2.84	2.94	3.01	3.08	7.85	3.05	3.13	3.20	3.26	3.29
22.8	2.76	2.88	2.99	3.05	3.12	7.85	3.06	3.14	3.21	3.27	3.30
23.0	2.78	2.92	3.03	3.10	3.17	7.85	3.07	3.15	3.22	3.28	3.31
23.4	2.82	3.00	3.11	3.18	3.25	7.85	3.08	3.16	3.23	3.29	3.32
23.6	2.84	3.04	3.15	3.22	3.29	7.85	3.09	3.17	3.24	3.30	3.33
24.0	2.88	3.09	3.20	3.27	3.34	7.85	3.10	3.18	3.25	3.31	3.34
24.4	2.92	3.13	3.25	3.32	3.39	7.85	3.11	3.19	3.26	3.32	3.35
24.6	2.94	3.17	3.29	3.36	3.43	7.85	3.12	3.20	3.27	3.33	3.36
25.0	2.98	3.22	3.34	3.41	3.48	7.85	3.13	3.21	3.28	3.34	3.37
25.4	3.02	3.27	3.39	3.46	3.53	7.85	3.14	3.22	3.29	3.35	3.38
25.6	3.04	3.30	3.42	3.49	3.56	7.85	3.15	3.23	3.30	3.36	3.39
25.8	3.06	3.33	3.45	3.52	3.59	7.85	3.16	3.24	3.31	3.37	3.40
26.0	3.08	3.36	3.48	3.55	3.62	7.85	3.17	3.25	3.32	3.38	3.41
26.4	3.12	3.40	3.52	3.59	3.66	7.85	3.18	3.26	3.33	3.39	3.42
26.6	3.14	3.43	3.55	3.62	3.69	7.85	3.19	3.27	3.34	3.40	3.43
26.8	3.16	3.45	3.57	3.64	3.71	7.85	3.20	3.28	3.35	3.41	3.44
27.0	3.18	3.47	3.59	3.66	3.73	7.85	3.21	3.29	3.36	3.42	3.45
27.4	3.22	3.52	3.64	3.71	3.78	7.85	3.22	3.30	3.37	3.43	3.46
27.6	3.24	3.55	3.67	3.74	3.81	7.85	3.23	3.31	3.38	3.44	3.47
27.8	3.26	3.57	3.69	3.76	3.83	7.85	3.24	3.32	3.39	3.45	3.48
28.0	3.28	3.59	3.71	3.78	3.85	7.85	3.25	3.33	3.40	3.46	3.49

TABLE A-1 CONTINUED

TABLE PAGE 173

TEMP DEG C	7.80	7.81	7.82	7.83	7.84	PH 7.85	7.86	7.87	7.88	7.89	7.90
28.0	4.24	4.33	4.43	4.53	4.63	4.73	4.80	4.94	5.05	5.17	5.28
28.2	4.30	4.39	4.49	4.59	4.69	4.86	4.97	5.08	5.19	5.30	5.42
28.4	4.35	4.45	4.55	4.65	4.75	4.92	5.03	5.14	5.26	5.37	5.49
28.6	4.41	4.51	4.61	4.71	4.82	4.99	5.10	5.21	5.33	5.44	5.56
28.8	4.47	4.57	4.67	4.77	4.88	5.05	5.17	5.28	5.40	5.51	5.64
29.0	4.53	4.63	4.73	4.84	4.94	5.12	5.23	5.35	5.47	5.59	5.71
29.2	4.59	4.69	4.79	4.90	5.01	5.19	5.30	5.42	5.54	5.66	5.78
29.4	4.65	4.75	4.86	4.97	5.07	5.25	5.37	5.49	5.61	5.73	5.86
29.6	4.71	4.81	4.92	5.03	5.14	5.32	5.44	5.56	5.68	5.81	5.93
29.8	4.77	4.88	4.99	5.10	5.21	5.39	5.51	5.63	5.76	5.88	6.01
30.0	4.83	4.94	5.05	5.16	5.28	5.46	5.58	5.71	5.83	5.96	6.09
30.2	4.90	5.01	5.12	5.23	5.35	5.53	5.65	5.78	5.91	6.04	6.17
30.4	4.96	5.07	5.18	5.29	5.41	5.59	5.71	5.85	5.98	6.11	6.25
30.6	5.03	5.14	5.25	5.37	5.48	5.66	5.78	5.93	6.06	6.19	6.33
30.8	5.09	5.20	5.32	5.44	5.56	5.74	5.88	6.01	6.14	6.27	6.41
31.0	5.16	5.27	5.39	5.51	5.63	5.81	5.95	6.08	6.20	6.35	6.49
31.2	5.22	5.34	5.46	5.58	5.70	5.89	6.03	6.16	6.28	6.43	6.57
31.4	5.29	5.41	5.53	5.65	5.77	5.96	6.10	6.23	6.35	6.50	6.64
31.6	5.36	5.48	5.60	5.72	5.85	6.04	6.18	6.32	6.44	6.59	6.73
31.8	5.43	5.55	5.67	5.80	5.92	6.11	6.26	6.40	6.54	6.68	6.83
32.0	5.50	5.62	5.74	5.87	6.00	6.19	6.34	6.48	6.62	6.77	6.91
32.2	5.57	5.69	5.82	5.94	6.07	6.27	6.42	6.56	6.71	6.85	7.00
32.4	5.64	5.77	5.89	6.02	6.15	6.35	6.50	6.65	6.79	6.94	7.09
32.6	5.71	5.84	5.97	6.10	6.23	6.43	6.58	6.73	6.88	7.02	7.17
32.8	5.79	5.91	6.04	6.17	6.31	6.51	6.67	6.81	6.96	7.11	7.27
33.0	5.86	5.99	6.12	6.25	6.39	6.59	6.75	6.90	7.05	7.20	7.36
33.2	5.93	6.06	6.20	6.33	6.47	6.68	6.84	6.99	7.14	7.29	7.45
33.4	6.01	6.14	6.27	6.41	6.55	6.76	6.92	7.07	7.23	7.38	7.54
33.6	6.08	6.22	6.35	6.49	6.63	6.84	7.01	7.16	7.31	7.47	7.63
33.8	6.16	6.30	6.43	6.57	6.72	6.93	7.10	7.25	7.41	7.57	7.73
34.0	6.24	6.38	6.51	6.66	6.80	7.01	7.19	7.34	7.50	7.66	7.83
34.2	6.32	6.46	6.60	6.74	6.89	7.10	7.28	7.43	7.59	7.76	7.92
34.4	6.40	6.54	6.68	6.82	6.97	7.18	7.37	7.52	7.69	7.85	8.02
34.6	6.48	6.62	6.76	6.90	7.06	7.27	7.46	7.62	7.78	7.95	8.12
34.8	6.56	6.70	6.85	6.99	7.14	7.35	7.55	7.71	7.88	8.04	8.22
35.0	6.64	6.78	6.93	7.08	7.23	7.44	7.65	7.81	7.98	8.15	8.33

TABLE A-1 CONTINUED

TABLE PAGE 174

TEMP DEG C	7.80	7.81	7.82	7.83	7.84	PH 7.85	7.86	7.87	7.88	7.89	7.90
35.0	6.64	6.78	6.93	7.08	7.23	7.39	7.55	7.71	7.87	8.04	8.22
35.2	6.72	6.87	7.02	7.17	7.32	7.48	7.64	7.80	7.97	8.14	8.32
35.4	6.80	6.95	7.10	7.26	7.41	7.57	7.73	7.90	8.07	8.24	8.42
35.6	6.89	7.04	7.19	7.35	7.50	7.66	7.83	8.00	8.17	8.34	8.52
35.8	6.97	7.12	7.28	7.44	7.60	7.76	7.92	8.09	8.26	8.43	8.60
36.0	7.06	7.21	7.37	7.53	7.69	7.85	8.02	8.19	8.37	8.55	8.73
36.2	7.15	7.30	7.46	7.62	7.78	7.95	8.12	8.29	8.47	8.65	8.83
36.4	7.23	7.39	7.55	7.71	7.88	8.05	8.22	8.39	8.57	8.75	8.94
36.6	7.32	7.48	7.64	7.81	7.97	8.14	8.32	8.49	8.67	8.86	9.05
36.8	7.41	7.57	7.73	7.90	8.07	8.24	8.42	8.60	8.78	8.97	9.16
37.0	7.50	7.66	7.83	8.00	8.17	8.34	8.52	8.70	8.88	9.07	9.26
37.2	7.59	7.76	7.92	8.09	8.26	8.44	8.62	8.80	8.99	9.18	9.37
37.4	7.68	7.85	8.02	8.19	8.36	8.54	8.72	8.91	9.10	9.29	9.49
37.6	7.78	7.94	8.11	8.29	8.46	8.64	8.83	9.02	9.21	9.40	9.60
37.8	7.87	8.04	8.21	8.39	8.57	8.75	8.94	9.13	9.32	9.51	9.71
38.0	7.97	8.14	8.31	8.49	8.67	8.85	9.04	9.23	9.42	9.62	9.83
38.2	8.06	8.23	8.41	8.59	8.77	8.96	9.15	9.34	9.54	9.74	9.94
38.4	8.16	8.33	8.51	8.69	8.88	9.06	9.26	9.45	9.65	9.85	10.06
38.6	8.26	8.43	8.61	8.79	8.98	9.17	9.37	9.56	9.76	9.97	10.18
38.8	8.35	8.53	8.71	8.90	9.09	9.28	9.47	9.67	9.89	10.08	10.29
39.0	8.45	8.63	8.82	9.00	9.19	9.39	9.59	9.79	10.00	10.20	10.41
39.2	8.55	8.74	8.93	9.12	9.30	9.50	9.70	9.90	10.13	10.34	10.56
39.4	8.66	8.84	9.03	9.23	9.41	9.61	9.81	10.02	10.25	10.46	10.68
39.6	8.76	8.94	9.13	9.33	9.52	9.72	9.93	10.13	10.36	10.58	10.80
39.8	8.86	9.05	9.24	9.44	9.63	9.84	10.04	10.25	10.47	10.68	10.90
40.0	8.96	9.15	9.35	9.55	9.75	9.95	10.16	10.37	10.59	10.81	11.03

TABLE A-1 CONTINUED

TABLE PAGE 175

TEMP DEG C	7.90	7.91	7.92	7.93	7.94	PH 7.95	7.96	7.97	7.98	7.99	E.00
0	.652	.668	.683	.699	.715	.732	.748	.766	.783	.802	.820
.2	.663	.679	.695	.711	.727	.744	.761	.779	.797	.815	.834
.4	.675	.690	.706	.723	.739	.756	.774	.792	.810	.829	.848
.6	.686	.702	.718	.735	.752	.769	.787	.805	.823	.842	.862
.8	.698	.714	.730	.747	.764	.782	.800	.818	.837	.857	.877
1.0	.709	.726	.742	.760	.777	.795	.813	.832	.851	.871	.891
1.2	.721	.738	.755	.772	.790	.808	.827	.846	.866	.886	.906
1.4	.733	.750	.767	.785	.803	.822	.841	.860	.880	.900	.921
1.6	.745	.763	.780	.798	.817	.835	.855	.875	.895	.915	.936
1.8	.758	.775	.793	.811	.830	.849	.869	.889	.910	.931	.952
2.0	.770	.788	.806	.825	.844	.863	.883	.904	.925	.946	.968
2.2	.783	.801	.820	.839	.858	.878	.898	.919	.940	.962	.984
2.4	.796	.814	.833	.852	.872	.892	.913	.934	.956	.978	.999
2.6	.809	.828	.847	.867	.887	.907	.928	.949	.971	.994	1.017
2.8	.823	.842	.861	.881	.901	.922	.943	.965	.987	1.010	1.033
3.0	.836	.855	.875	.895	.916	.937	.959	.981	1.004	1.027	1.050
3.2	.850	.870	.890	.910	.931	.953	.975	.997	1.020	1.044	1.068
3.4	.864	.884	.904	.925	.946	.968	.991	1.013	1.037	1.061	1.085
3.6	.878	.898	.919	.940	.962	.984	1.007	1.030	1.054	1.078	1.103
3.8	.892	.913	.934	.956	.978	1.000	1.023	1.047	1.071	1.096	1.121
4.0	.907	.928	.949	.971	.994	1.017	1.040	1.064	1.088	1.114	1.139
4.2	.922	.943	.965	.987	1.010	1.033	1.057	1.081	1.106	1.132	1.158
4.4	.937	.958	.981	1.003	1.026	1.050	1.074	1.099	1.124	1.150	1.177
4.6	.952	.974	.997	1.019	1.043	1.067	1.091	1.117	1.142	1.169	1.196
4.8	.968	.990	1.013	1.036	1.060	1.084	1.109	1.135	1.161	1.188	1.215
5.0	.983	1.006	1.029	1.053	1.077	1.102	1.127	1.153	1.180	1.207	1.235
5.2	.999	1.022	1.046	1.070	1.095	1.120	1.146	1.172	1.199	1.226	1.255
5.4	1.023	1.047	1.066	1.090	1.113	1.138	1.163	1.189	1.214	1.240	1.267
5.6	1.035	1.060	1.080	1.102	1.125	1.149	1.173	1.198	1.223	1.248	1.273
5.8	1.047	1.072	1.093	1.114	1.137	1.161	1.185	1.210	1.235	1.260	1.284
6.0	1.059	1.084	1.106	1.128	1.151	1.175	1.200	1.225	1.250	1.275	1.300
6.2	1.08	1.11	1.13	1.16	1.19	1.23	1.26	1.29	1.32	1.35	1.38
6.4	1.10	1.13	1.15	1.18	1.20	1.23	1.26	1.29	1.32	1.35	1.38
6.6	1.12	1.14	1.17	1.20	1.22	1.25	1.28	1.31	1.34	1.37	1.40
6.8	1.14	1.16	1.19	1.22	1.24	1.27	1.30	1.33	1.36	1.39	1.42
7.0	1.15	1.18	1.21	1.23	1.26	1.29	1.32	1.35	1.38	1.41	1.45

TABLE A-1 CONTINUED

TEMP DEG C	7.90	7.91	7.92	7.93	7.94	PH 7.95	7.96	7.97	7.98	7.99	8.00
7.0	1.15	1.18	1.23	1.25	1.26	1.29	1.32	1.35	1.38	1.42	1.45
7.2	1.17	1.20	1.23	1.25	1.28	1.31	1.34	1.37	1.41	1.44	1.47
7.4	1.19	1.22	1.25	1.27	1.30	1.33	1.36	1.40	1.43	1.46	1.49
7.6	1.21	1.24	1.27	1.29	1.32	1.35	1.39	1.42	1.45	1.48	1.51
7.8	1.23	1.26	1.31	1.34	1.37	1.40	1.44	1.46	1.50	1.53	1.57
8.0	1.25	1.28	1.33	1.36	1.39	1.43	1.48	1.49	1.54	1.55	1.59
8.2	1.27	1.30	1.35	1.38	1.41	1.44	1.50	1.51	1.57	1.58	1.62
8.4	1.29	1.32	1.37	1.40	1.43	1.47	1.53	1.53	1.59	1.60	1.64
8.6	1.31	1.34	1.39	1.42	1.45	1.49	1.55	1.56	1.62	1.63	1.67
8.8	1.33	1.36	1.41	1.44	1.48	1.51	1.57	1.58	1.64	1.65	1.69
9.0	1.35	1.38	1.43	1.46	1.50	1.54	1.60	1.61	1.67	1.68	1.72
9.2	1.37	1.40	1.45	1.49	1.52	1.56	1.62	1.63	1.69	1.70	1.75
9.4	1.39	1.42	1.47	1.51	1.55	1.58	1.64	1.65	1.71	1.72	1.77
9.6	1.41	1.44	1.49	1.54	1.57	1.61	1.67	1.68	1.74	1.75	1.80
9.8	1.43	1.46	1.51	1.56	1.60	1.63	1.69	1.70	1.76	1.77	1.82
10.0	1.46	1.49	1.53	1.58	1.62	1.66	1.72	1.73	1.79	1.80	1.85
10.2	1.48	1.51	1.55	1.60	1.65	1.68	1.74	1.75	1.81	1.82	1.87
10.4	1.50	1.53	1.57	1.62	1.67	1.71	1.77	1.78	1.83	1.84	1.89
10.6	1.53	1.56	1.60	1.65	1.70	1.74	1.80	1.81	1.86	1.87	1.91
10.8	1.55	1.59	1.63	1.68	1.72	1.76	1.82	1.83	1.88	1.89	1.94
11.0	1.57	1.61	1.65	1.70	1.74	1.78	1.84	1.85	1.90	1.91	1.96
11.2	1.60	1.64	1.67	1.71	1.75	1.79	1.86	1.87	1.92	1.93	1.98
11.4	1.62	1.66	1.70	1.74	1.78	1.82	1.89	1.90	1.95	1.96	2.00
11.6	1.65	1.69	1.72	1.76	1.80	1.84	1.91	1.92	1.97	1.98	2.02
11.8	1.67	1.71	1.75	1.79	1.83	1.87	1.94	1.95	2.00	2.01	2.05
12.0	1.70	1.74	1.78	1.82	1.86	1.90	1.97	1.98	2.03	2.04	2.08
12.2	1.73	1.76	1.81	1.85	1.89	1.93	2.00	2.01	2.06	2.07	2.11
12.4	1.75	1.79	1.83	1.87	1.91	1.95	2.02	2.03	2.08	2.09	2.13
12.6	1.78	1.82	1.86	1.90	1.94	1.98	2.05	2.06	2.11	2.12	2.16
12.8	1.81	1.85	1.89	1.93	1.97	2.01	2.08	2.09	2.14	2.15	2.19
13.0	1.83	1.87	1.91	1.95	1.99	2.03	2.10	2.11	2.16	2.17	2.21
13.2	1.86	1.90	1.94	1.98	2.02	2.06	2.13	2.14	2.19	2.20	2.24
13.4	1.89	1.93	1.97	2.01	2.05	2.09	2.16	2.17	2.22	2.23	2.27
13.6	1.92	1.96	2.00	2.04	2.08	2.12	2.19	2.20	2.25	2.26	2.30
13.8	1.95	1.99	2.03	2.07	2.11	2.15	2.22	2.23	2.28	2.29	2.33
14.0	1.98	2.02	2.06	2.10	2.14	2.18	2.25	2.26	2.31	2.32	2.36

TABLE A-1 CONTINUED

TABLE PAGE 177

TEMP DEG C	7.90	7.91	7.92	7.93	7.94	PH 7.95	7.96	7.97	7.98	7.99	8.00
14.0	1.98	2.02	2.07	2.11	2.16	2.24	2.26	2.31	2.37	2.42	2.47
14.2	2.01	2.05	2.10	2.15	2.20	2.28	2.30	2.35	2.40	2.46	2.51
14.4	2.04	2.08	2.13	2.18	2.23	2.31	2.33	2.38	2.44	2.50	2.55
14.6	2.07	2.11	2.16	2.21	2.26	2.34	2.36	2.41	2.47	2.53	2.58
14.8	2.10	2.14	2.19	2.24	2.29	2.37	2.39	2.44	2.50	2.56	2.61
15.0	2.13	2.18	2.23	2.28	2.33	2.41	2.43	2.48	2.54	2.60	2.65
15.2	2.16	2.21	2.26	2.31	2.36	2.44	2.46	2.51	2.57	2.63	2.68
15.4	2.19	2.24	2.29	2.34	2.39	2.47	2.49	2.54	2.60	2.66	2.71
15.6	2.22	2.28	2.33	2.38	2.43	2.51	2.53	2.58	2.64	2.70	2.75
15.8	2.25	2.31	2.36	2.41	2.46	2.54	2.56	2.61	2.67	2.73	2.78
16.0	2.29	2.34	2.39	2.44	2.49	2.57	2.59	2.64	2.70	2.76	2.81
16.2	2.32	2.38	2.43	2.48	2.53	2.61	2.63	2.68	2.74	2.80	2.85
16.4	2.35	2.41	2.46	2.51	2.56	2.64	2.66	2.71	2.77	2.83	2.88
16.6	2.39	2.44	2.49	2.54	2.59	2.67	2.69	2.74	2.80	2.86	2.91
16.8	2.42	2.48	2.53	2.58	2.63	2.71	2.73	2.78	2.84	2.90	2.95
17.0	2.46	2.51	2.56	2.61	2.66	2.74	2.76	2.81	2.87	2.93	2.98
17.2	2.50	2.55	2.60	2.65	2.70	2.78	2.80	2.85	2.91	2.97	3.02
17.4	2.54	2.59	2.64	2.69	2.74	2.82	2.84	2.89	2.95	3.01	3.06
17.6	2.57	2.63	2.68	2.73	2.78	2.86	2.88	2.93	2.99	3.05	3.10
17.8	2.61	2.67	2.72	2.77	2.82	2.90	2.92	2.97	3.03	3.09	3.14
18.0	2.65	2.71	2.76	2.81	2.86	2.94	2.96	3.01	3.07	3.13	3.18
18.2	2.69	2.75	2.80	2.85	2.90	2.98	3.00	3.05	3.11	3.17	3.22
18.4	2.73	2.79	2.84	2.89	2.94	3.02	3.04	3.09	3.15	3.21	3.26
18.6	2.77	2.83	2.88	2.93	2.98	3.06	3.08	3.13	3.19	3.25	3.30
18.8	2.81	2.87	2.92	2.97	3.02	3.10	3.12	3.17	3.23	3.29	3.34
19.0	2.85	2.91	2.96	3.01	3.06	3.14	3.16	3.21	3.27	3.33	3.38
19.2	2.89	2.95	3.00	3.05	3.10	3.18	3.20	3.25	3.31	3.37	3.42
19.4	2.93	2.99	3.04	3.09	3.14	3.22	3.24	3.29	3.35	3.41	3.46
19.6	2.97	3.03	3.08	3.13	3.18	3.26	3.28	3.33	3.39	3.45	3.50
19.8	3.01	3.07	3.12	3.17	3.22	3.30	3.32	3.37	3.43	3.49	3.54
20.0	3.06	3.11	3.16	3.21	3.26	3.34	3.36	3.41	3.47	3.53	3.58
20.2	3.10	3.15	3.20	3.25	3.30	3.38	3.40	3.45	3.51	3.57	3.62
20.4	3.15	3.20	3.25	3.30	3.35	3.43	3.45	3.50	3.56	3.62	3.67
20.6	3.19	3.24	3.29	3.34	3.39	3.47	3.49	3.54	3.60	3.66	3.71
20.8	3.23	3.28	3.33	3.38	3.43	3.51	3.53	3.58	3.64	3.70	3.75
21.0	3.28	3.33	3.38	3.43	3.48	3.56	3.58	3.63	3.69	3.75	3.80

TABLE A-1 CONTINUED

TABLE PAGE 178

TEMP DEG C	7.90	7.91	7.92	7.93	7.94	PH 7.95	7.96	7.97	7.98	7.99	8.00
21.0	3.28	3.35	3.43	3.51	3.59	3.67	3.75	3.83	3.92	4.01	4.11
21.2	3.33	3.40	3.48	3.56	3.64	3.72	3.80	3.89	3.97	4.06	4.15
21.4	3.37	3.45	3.53	3.61	3.69	3.77	3.86	3.94	4.03	4.12	4.21
21.6	3.42	3.50	3.58	3.66	3.74	3.82	3.91	4.00	4.09	4.18	4.27
21.8	3.47	3.55	3.63	3.71	3.79	3.88	3.96	4.05	4.14	4.23	4.32
22.0	3.52	3.60	3.68	3.76	3.85	3.93	4.02	4.11	4.20	4.29	4.38
22.2	3.57	3.65	3.73	3.81	3.90	3.99	4.08	4.17	4.26	4.35	4.44
22.4	3.62	3.70	3.78	3.87	3.95	4.04	4.13	4.22	4.31	4.40	4.49
22.6	3.67	3.75	3.83	3.92	4.01	4.10	4.19	4.28	4.37	4.46	4.55
22.8	3.72	3.80	3.89	3.97	4.06	4.15	4.24	4.33	4.42	4.51	4.60
23.0	3.77	3.86	3.94	4.03	4.12	4.21	4.31	4.40	4.49	4.58	4.67
23.2	3.82	3.91	4.00	4.09	4.18	4.27	4.37	4.46	4.55	4.64	4.73
23.4	3.88	3.96	4.05	4.14	4.23	4.33	4.42	4.51	4.60	4.69	4.78
23.6	3.93	4.02	4.11	4.20	4.29	4.39	4.49	4.58	4.67	4.76	4.85
23.8	3.99	4.07	4.16	4.25	4.34	4.44	4.54	4.63	4.72	4.81	4.90
24.0	4.04	4.13	4.22	4.32	4.41	4.51	4.61	4.71	4.80	4.89	4.98
24.2	4.09	4.19	4.28	4.37	4.47	4.57	4.67	4.77	4.86	4.95	5.04
24.4	4.15	4.24	4.34	4.43	4.53	4.63	4.73	4.83	4.92	5.01	5.10
24.6	4.21	4.30	4.40	4.49	4.59	4.69	4.79	4.89	4.98	5.07	5.17
24.8	4.26	4.36	4.46	4.56	4.66	4.76	4.86	4.96	5.05	5.14	5.24
25.0	4.32	4.42	4.52	4.62	4.72	4.82	4.93	5.03	5.12	5.21	5.31
25.2	4.38	4.48	4.58	4.68	4.78	4.89	5.00	5.10	5.19	5.28	5.38
25.4	4.44	4.54	4.64	4.74	4.85	4.96	5.07	5.17	5.26	5.35	5.45
25.6	4.50	4.60	4.70	4.81	4.91	5.02	5.13	5.23	5.32	5.41	5.51
25.8	4.56	4.66	4.77	4.87	4.98	5.09	5.20	5.30	5.39	5.48	5.58
26.0	4.62	4.73	4.83	4.94	5.05	5.16	5.27	5.37	5.46	5.55	5.65
26.2	4.69	4.79	4.90	5.01	5.12	5.23	5.34	5.45	5.54	5.63	5.73
26.4	4.75	4.85	4.96	5.07	5.18	5.29	5.40	5.51	5.60	5.69	5.79
26.6	4.81	4.92	5.03	5.14	5.25	5.36	5.47	5.58	5.67	5.76	5.86
26.8	4.88	4.98	5.10	5.21	5.32	5.43	5.54	5.65	5.74	5.83	5.93
27.0	4.94	5.05	5.16	5.27	5.38	5.49	5.60	5.71	5.80	5.89	5.99
27.2	5.01	5.12	5.23	5.34	5.46	5.57	5.68	5.79	5.88	5.97	6.07
27.4	5.07	5.19	5.30	5.42	5.54	5.65	5.76	5.87	5.96	6.05	6.15
27.6	5.14	5.26	5.37	5.49	5.61	5.72	5.83	5.94	6.03	6.12	6.22
27.8	5.21	5.33	5.44	5.56	5.68	5.79	5.90	6.01	6.10	6.19	6.29
28.0	5.28	5.40	5.51	5.63	5.76	5.87	5.98	6.09	6.18	6.27	6.37

TABLE A-1 CONTINUED

TABLE PAGE 179

TEMP DEG C	7.90	7.91	7.92	7.93	7.94	PH 7.95	7.96	7.97	7.98	7.99	8.00
28.0	5.28	5.40	5.51	5.64	5.76	5.89	6.01	6.13	6.25	6.37	6.50
28.2	5.35	5.47	5.59	5.71	5.83	5.96	6.09	6.21	6.33	6.45	6.58
28.4	5.42	5.54	5.66	5.78	5.90	6.04	6.17	6.29	6.41	6.53	6.66
28.6	5.49	5.61	5.73	5.86	5.98	6.12	6.25	6.37	6.49	6.61	6.74
29.0	5.64	5.76	5.89	6.01	6.13	6.28	6.42	6.55	6.67	6.80	6.93
29.2	5.71	5.83	5.96	6.09	6.21	6.36	6.50	6.63	6.75	6.88	7.01
29.4	5.78	5.91	6.04	6.17	6.29	6.44	6.58	6.71	6.84	6.97	7.10
29.6	5.86	5.99	6.12	6.25	6.37	6.52	6.67	6.80	6.93	7.06	7.19
29.8	5.93	6.06	6.20	6.33	6.45	6.60	6.75	6.89	7.02	7.15	7.28
30.0	6.01	6.14	6.28	6.41	6.53	6.67	6.83	6.97	7.11	7.25	7.39
30.2	6.09	6.22	6.36	6.50	6.64	6.78	6.92	7.07	7.22	7.36	7.51
30.4	6.17	6.30	6.44	6.58	6.72	6.87	7.01	7.16	7.31	7.45	7.60
30.6	6.25	6.38	6.52	6.66	6.80	6.95	7.10	7.24	7.39	7.53	7.68
30.8	6.33	6.46	6.61	6.75	6.89	7.04	7.19	7.34	7.49	7.63	7.78
31.0	6.41	6.55	6.69	6.83	6.98	7.13	7.28	7.43	7.58	7.72	7.87
31.2	6.49	6.63	6.78	6.92	7.07	7.22	7.37	7.52	7.67	7.81	7.96
31.4	6.57	6.72	6.86	7.01	7.16	7.31	7.46	7.61	7.76	7.90	8.05
31.6	6.66	6.80	6.95	7.10	7.25	7.40	7.55	7.70	7.85	7.99	8.14
31.8	6.74	6.89	7.04	7.19	7.34	7.49	7.64	7.79	7.94	8.08	8.23
32.0	6.83	6.97	7.12	7.27	7.42	7.57	7.72	7.87	8.02	8.16	8.31
32.2	6.91	7.06	7.21	7.37	7.52	7.67	7.82	7.97	8.12	8.26	8.41
32.4	7.00	7.15	7.31	7.46	7.61	7.76	7.91	8.06	8.21	8.35	8.50
32.6	7.09	7.24	7.40	7.55	7.70	7.85	7.99	8.14	8.29	8.43	8.58
32.8	7.18	7.33	7.49	7.64	7.79	7.94	8.08	8.23	8.38	8.52	8.67
33.0	7.27	7.42	7.58	7.73	7.88	8.03	8.17	8.32	8.47	8.61	8.76
33.2	7.36	7.52	7.67	7.82	7.97	8.12	8.26	8.41	8.56	8.70	8.85
33.4	7.45	7.61	7.77	7.92	8.07	8.22	8.36	8.51	8.66	8.80	8.95
33.6	7.54	7.70	7.87	8.02	8.17	8.32	8.46	8.61	8.76	8.90	9.05
33.8	7.63	7.79	7.96	8.12	8.27	8.42	8.56	8.71	8.86	9.00	9.15
34.0	7.73	7.90	8.06	8.22	8.37	8.52	8.66	8.81	8.96	9.10	9.25
34.2	7.83	8.00	8.16	8.32	8.47	8.62	8.76	8.91	9.06	9.20	9.35
34.4	7.92	8.09	8.25	8.41	8.56	8.71	8.85	9.00	9.15	9.29	9.44
34.6	8.02	8.19	8.35	8.51	8.66	8.81	8.95	9.10	9.25	9.39	9.54
34.8	8.12	8.29	8.45	8.61	8.76	8.91	9.05	9.20	9.35	9.49	9.64
35.0	8.22	8.39	8.55	8.71	8.86	9.01	9.15	9.30	9.45	9.59	9.74

TABLE A-1 CONTINUED

TEMP DEG C	8.00	8.01	8.02	8.03	8.04	PH 8.05	8.06	8.07	8.08	8.09	8.10
0	820	839	858	878	898	919	940	962	984	1.007	1.030
1	834	853	873	893	914	935	956	978	1.001	1.024	1.047
2	848	867	887	908	929	950	972	995	1.018	1.041	1.065
3	862	882	902	923	944	966	989	1.011	1.035	1.058	1.083
4	877	897	917	939	960	982	1.002	1.025	1.050	1.074	1.101
5	891	912	933	954	976	999	1.022	1.045	1.070	1.094	1.119
6	906	927	948	970	993	1.015	1.039	1.063	1.087	1.112	1.138
7	921	942	964	986	1.009	1.032	1.056	1.081	1.105	1.130	1.157
8	936	957	980	1.003	1.026	1.050	1.074	1.099	1.123	1.148	1.176
9	952	974	997	1.019	1.042	1.065	1.089	1.115	1.141	1.168	1.196
10	968	990	1.013	1.036	1.060	1.085	1.110	1.135	1.161	1.188	1.215
11	984	1.007	1.030	1.053	1.078	1.103	1.128	1.154	1.180	1.208	1.235
12	1.000	1.024	1.048	1.071	1.096	1.121	1.145	1.171	1.196	1.223	1.250
13	1.015	1.039	1.063	1.087	1.112	1.137	1.161	1.187	1.212	1.239	1.266
14	1.030	1.054	1.078	1.102	1.127	1.152	1.176	1.202	1.227	1.253	1.280
15	1.045	1.069	1.093	1.117	1.142	1.167	1.191	1.217	1.242	1.268	1.295
16	1.060	1.084	1.108	1.132	1.157	1.182	1.206	1.232	1.257	1.283	1.310
17	1.075	1.099	1.123	1.147	1.172	1.197	1.221	1.247	1.272	1.298	1.325
18	1.090	1.114	1.138	1.162	1.187	1.212	1.236	1.262	1.287	1.313	1.340
19	1.105	1.129	1.153	1.177	1.202	1.227	1.251	1.277	1.302	1.328	1.355
20	1.120	1.144	1.168	1.192	1.217	1.242	1.266	1.292	1.317	1.343	1.370
21	1.135	1.159	1.183	1.207	1.232	1.257	1.281	1.307	1.332	1.358	1.385
22	1.150	1.174	1.198	1.222	1.247	1.272	1.296	1.322	1.347	1.373	1.400
23	1.165	1.189	1.213	1.237	1.262	1.287	1.311	1.337	1.362	1.388	1.415
24	1.180	1.204	1.228	1.252	1.277	1.302	1.326	1.352	1.377	1.403	1.430
25	1.195	1.219	1.243	1.267	1.292	1.317	1.341	1.367	1.392	1.418	1.445
26	1.210	1.234	1.258	1.282	1.307	1.332	1.356	1.382	1.407	1.433	1.460
27	1.225	1.249	1.273	1.297	1.322	1.347	1.371	1.397	1.422	1.448	1.475
28	1.240	1.264	1.288	1.312	1.337	1.362	1.386	1.412	1.437	1.463	1.490
29	1.255	1.279	1.303	1.327	1.352	1.377	1.401	1.427	1.452	1.478	1.505
30	1.270	1.294	1.318	1.342	1.367	1.392	1.416	1.442	1.467	1.493	1.520
31	1.285	1.309	1.333	1.357	1.382	1.407	1.431	1.457	1.482	1.508	1.535
32	1.300	1.324	1.348	1.372	1.397	1.422	1.446	1.472	1.497	1.523	1.550
33	1.315	1.339	1.363	1.387	1.412	1.437	1.461	1.487	1.512	1.538	1.565
34	1.330	1.354	1.378	1.402	1.427	1.452	1.476	1.502	1.527	1.553	1.580
35	1.345	1.369	1.393	1.417	1.442	1.467	1.491	1.517	1.542	1.568	1.595
36	1.360	1.384	1.408	1.432	1.457	1.482	1.506	1.532	1.557	1.583	1.610
37	1.375	1.399	1.423	1.447	1.472	1.497	1.521	1.547	1.572	1.598	1.625
38	1.390	1.414	1.438	1.462	1.487	1.512	1.536	1.562	1.587	1.613	1.640
39	1.405	1.429	1.453	1.477	1.502	1.527	1.551	1.577	1.602	1.628	1.655
40	1.420	1.444	1.468	1.492	1.517	1.542	1.566	1.592	1.617	1.643	1.670
41	1.435	1.459	1.483	1.507	1.532	1.557	1.581	1.607	1.632	1.658	1.685
42	1.450	1.474	1.498	1.522	1.547	1.572	1.596	1.622	1.647	1.673	1.700
43	1.465	1.489	1.513	1.537	1.562	1.587	1.611	1.637	1.662	1.688	1.715
44	1.480	1.504	1.528	1.552	1.577	1.602	1.626	1.652	1.677	1.703	1.730
45	1.495	1.519	1.543	1.567	1.592	1.617	1.641	1.667	1.692	1.718	1.745
46	1.510	1.534	1.558	1.582	1.607	1.632	1.656	1.682	1.707	1.733	1.760
47	1.525	1.549	1.573	1.597	1.622	1.647	1.671	1.697	1.722	1.748	1.775
48	1.540	1.564	1.588	1.612	1.637	1.662	1.686	1.712	1.737	1.763	1.790
49	1.555	1.579	1.603	1.627	1.652	1.677	1.701	1.727	1.752	1.778	1.805
50	1.570	1.594	1.618	1.642	1.667	1.692	1.716	1.742	1.767	1.793	1.820
51	1.585	1.609	1.633	1.657	1.682	1.707	1.731	1.757	1.782	1.808	1.835
52	1.600	1.624	1.648	1.672	1.697	1.722	1.746	1.772	1.797	1.823	1.850
53	1.615	1.639	1.663	1.687	1.712	1.737	1.761	1.787	1.812	1.838	1.865
54	1.630	1.654	1.678	1.702	1.727	1.752	1.776	1.802	1.827	1.853	1.880
55	1.645	1.669	1.693	1.717	1.742	1.767	1.791	1.817	1.842	1.868	1.895
56	1.660	1.684	1.708	1.732	1.757	1.782	1.806	1.832	1.857	1.883	1.910
57	1.675	1.699	1.723	1.747	1.772	1.797	1.821	1.847	1.872	1.898	1.925
58	1.690	1.714	1.738	1.762	1.787	1.812	1.836	1.862	1.887	1.913	1.940
59	1.705	1.729	1.753	1.777	1.802	1.827	1.851	1.877	1.902	1.928	1.955
60	1.720	1.744	1.768	1.792	1.817	1.842	1.866	1.892	1.917	1.943	1.970
61	1.735	1.759	1.783	1.807	1.832	1.857	1.881	1.907	1.932	1.958	1.985
62	1.750	1.774	1.798	1.822	1.847	1.872	1.896	1.922	1.947	1.973	2.000
63	1.765	1.789	1.813	1.837	1.862	1.887	1.911	1.937	1.962	1.988	2.015
64	1.780	1.804	1.828	1.852	1.877	1.902	1.926	1.952	1.977	2.003	2.030
65	1.795	1.819	1.843	1.867	1.892	1.917	1.941	1.967	1.992	2.018	2.045
66	1.810	1.834	1.858	1.882	1.907	1.932	1.956	1.982	2.007	2.033	2.060
67	1.825	1.849	1.873	1.897	1.922	1.947	1.971	1.997	2.022	2.048	2.075
68	1.840	1.864	1.888	1.912	1.937	1.962	1.986	2.012	2.037	2.063	2.090
69	1.855	1.879	1.903	1.927	1.952	1.977	2.001	2.027	2.052	2.078	2.105
70	1.870	1.894	1.918	1.942	1.967	1.992	2.016	2.042	2.067	2.093	2.120
71	1.885	1.909	1.933	1.957	1.982	2.007	2.031	2.057	2.082	2.108	2.135
72	1.900	1.924	1.948	1.972	1.997	2.022	2.046	2.072	2.097	2.123	2.150
73	1.915	1.939	1.963	1.987	2.012	2.037	2.061	2.087	2.112	2.138	2.165
74	1.930	1.954	1.978	2.002	2.027	2.052	2.076	2.102	2.127	2.153	2.180
75	1.945	1.969	1.993	2.017	2.042	2.067	2.091	2.117	2.142	2.168	2.195
76	1.960	1.984	2.008	2.032	2.057	2.082	2.106	2.132	2.157	2.183	2.210
77	1.975	1.999	2.023	2.047	2.072	2.097	2.121	2.147	2.172	2.198	2.225
78	1.990	2.014	2.038	2.062	2.087	2.112	2.136	2.162	2.187	2.213	2.240
79	2.005	2.029	2.053	2.077	2.102	2.127	2.151	2.177	2.202	2.228	2.255
80	2.020	2.044	2.068	2.092	2.117	2.142	2.166	2.192	2.217	2.243	2.270
81	2.035	2.059	2.083	2.107	2.132	2.157	2.181	2.207	2.232	2.258	2.285
82	2.050	2.074	2.098	2.122	2.147	2.172	2.196	2.222	2.247	2.273	2.300
83	2.065	2.089	2.113	2.137	2.162	2.187	2.211	2.237	2.262	2.288	2.315
84	2.080	2.104	2.128	2.152	2.177	2.202	2.226	2.252	2.277	2.303	2.330
85	2.095	2.119	2.143	2.167	2.192	2.217	2.241	2.267	2.292	2.318	2.345
86	2.110	2.134	2.158	2.182	2.207	2.232	2.256	2.282	2.307	2.333	2.360
87	2.125	2.149	2.173	2.197	2.222	2.247	2.271	2.297	2.322	2.348	2.375
88	2.140	2.164	2.188	2.212	2.237	2.262	2.286	2.312	2.337	2.363	2.390
89	2.155	2.179	2.203	2.227	2.252	2.277	2.301	2.327	2.352	2.378	2.405
90	2.170	2.194	2.218	2.242	2.267	2.292	2.316	2.342	2.367	2.393	2.420
91	2.185	2.209	2.233	2.257	2.282	2.307	2.331	2.357	2.382	2.408	2.435
92	2.200	2.224	2.248	2.272	2.297	2.322	2.346	2.372	2.397	2.423	2.450
93	2.215	2.239	2.263	2.287	2.312	2.337	2.361	2.387	2.412	2.438	2.465
94	2.230	2.254	2.278	2.302	2.327	2.352	2.376	2.402	2.427	2.453	2.480
95	2.245	2.269	2.293	2.317	2.342	2.367	2.391	2.417	2.442	2.468	2.495
96	2.260	2.284	2.308	2.332	2.357	2.382	2.406	2.432	2.457	2.483	2.510
97	2.275	2.299	2.323	2.347	2.372	2.397	2.421	2.447	2.472	2.498	2.525
98	2.290	2.314	2.338	2.362	2.387	2.412	2.436	2.462	2.487	2.513	2.540
99	2.305	2.329	2.353	2.377	2.402	2.427	2.451	2.477	2.502	2.52	

TABLE A-1 CONTINUED

TEMP DEG C	8.00	8.01	8.02	8.03	8.04	PH 8.05	8.06	8.07	8.08	8.09	8.10
7.0	1.45	1.48	1.51	1.55	1.59	1.62	1.66	1.70	1.74	1.78	1.81
7.2	1.47	1.50	1.54	1.57	1.61	1.65	1.69	1.72	1.76	1.80	1.84
7.4	1.49	1.53	1.56	1.60	1.64	1.67	1.71	1.75	1.79	1.83	1.87
7.6	1.51	1.55	1.59	1.62	1.66	1.70	1.74	1.78	1.82	1.86	1.90
7.8	1.54	1.58	1.61	1.65	1.69	1.73	1.77	1.81	1.85	1.89	1.93
8.0	1.57	1.60	1.64	1.68	1.71	1.75	1.79	1.83	1.87	1.91	1.95
8.2	1.59	1.63	1.66	1.70	1.74	1.78	1.82	1.86	1.90	1.94	1.98
8.4	1.62	1.65	1.69	1.73	1.77	1.81	1.85	1.89	1.93	1.97	2.00
8.6	1.64	1.68	1.71	1.75	1.79	1.83	1.87	1.91	1.95	1.99	2.03
8.8	1.67	1.70	1.74	1.78	1.82	1.86	1.90	1.94	1.98	2.02	2.06
9.0	1.69	1.73	1.77	1.81	1.85	1.89	1.93	1.97	2.01	2.05	2.09
9.2	1.72	1.76	1.80	1.84	1.88	1.92	1.96	2.00	2.04	2.08	2.12
9.4	1.75	1.79	1.83	1.87	1.91	1.95	1.99	2.03	2.07	2.11	2.15
9.6	1.77	1.81	1.85	1.89	1.93	1.97	2.01	2.05	2.09	2.13	2.17
9.8	1.80	1.84	1.88	1.92	1.96	2.00	2.04	2.08	2.12	2.16	2.20
10.0	1.83	1.87	1.91	1.95	1.99	2.03	2.07	2.11	2.15	2.19	2.23
10.2	1.86	1.90	1.94	1.98	2.02	2.06	2.10	2.14	2.18	2.22	2.26
10.4	1.89	1.93	1.97	2.01	2.05	2.09	2.13	2.17	2.21	2.25	2.29
10.6	1.91	1.95	1.99	2.03	2.07	2.11	2.15	2.19	2.23	2.27	2.31
10.8	1.94	1.98	2.02	2.06	2.10	2.14	2.18	2.22	2.26	2.30	2.34
11.0	1.97	2.01	2.05	2.09	2.13	2.17	2.21	2.25	2.29	2.33	2.37
11.2	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32	2.36	2.40
11.4	2.03	2.07	2.11	2.15	2.19	2.23	2.27	2.31	2.35	2.39	2.43
11.6	2.06	2.10	2.14	2.18	2.22	2.26	2.30	2.34	2.38	2.42	2.46
11.8	2.09	2.13	2.17	2.21	2.25	2.29	2.33	2.37	2.41	2.45	2.49
12.0	2.12	2.16	2.20	2.24	2.28	2.32	2.36	2.40	2.44	2.48	2.52
12.2	2.15	2.19	2.23	2.27	2.31	2.35	2.39	2.43	2.47	2.51	2.55
12.4	2.18	2.22	2.26	2.30	2.34	2.38	2.42	2.46	2.50	2.54	2.58
12.6	2.21	2.25	2.29	2.33	2.37	2.41	2.45	2.49	2.53	2.57	2.61
12.8	2.24	2.28	2.32	2.36	2.40	2.44	2.48	2.52	2.56	2.60	2.64
13.0	2.27	2.31	2.35	2.39	2.43	2.47	2.51	2.55	2.59	2.63	2.67
13.2	2.30	2.34	2.38	2.42	2.46	2.50	2.54	2.58	2.62	2.66	2.70
13.4	2.33	2.37	2.41	2.45	2.49	2.53	2.57	2.61	2.65	2.69	2.73
13.6	2.36	2.40	2.44	2.48	2.52	2.56	2.60	2.64	2.68	2.72	2.76
13.8	2.39	2.43	2.47	2.51	2.55	2.59	2.63	2.67	2.71	2.75	2.79
14.0	2.42	2.46	2.50	2.54	2.58	2.62	2.66	2.70	2.74	2.78	2.82

TABLE A-1 CONTINUED

TABLE PAGE 163

TEMP DEG C	8.00	8.01	8.02	8.03	8.04	PH 8.05	8.06	8.07	8.08	8.09	8.10
14.0	2.47	2.53	2.59	2.65	2.71	2.77	2.87	2.89	2.90	3.07	3.10
14.2	2.51	2.57	2.63	2.69	2.75	2.81	2.92	2.94	2.95	3.12	3.14
14.4	2.55	2.61	2.67	2.73	2.79	2.85	2.96	2.98	2.99	3.16	3.19
14.6	2.59	2.65	2.71	2.77	2.83	2.89	3.00	3.02	3.03	3.20	3.23
14.8	2.63	2.69	2.75	2.81	2.87	2.93	3.04	3.06	3.07	3.24	3.27
15.0	2.66	2.73	2.79	2.85	2.91	2.98	3.09	3.11	3.12	3.29	3.33
15.2	2.70	2.77	2.83	2.89	2.96	3.02	3.13	3.15	3.16	3.33	3.37
15.4	2.74	2.81	2.87	2.93	3.00	3.07	3.18	3.20	3.21	3.38	3.42
15.6	2.78	2.85	2.91	2.97	3.04	3.11	3.22	3.24	3.25	3.42	3.46
15.8	2.83	2.90	2.96	3.02	3.09	3.16	3.27	3.29	3.30	3.47	3.51
16.0	2.87	2.94	3.00	3.07	3.14	3.21	3.32	3.34	3.35	3.52	3.56
16.2	2.91	2.98	3.04	3.11	3.18	3.25	3.36	3.38	3.39	3.56	3.60
16.4	2.95	3.02	3.09	3.16	3.23	3.30	3.41	3.43	3.44	3.61	3.65
16.6	3.00	3.07	3.13	3.20	3.27	3.34	3.45	3.47	3.48	3.65	3.69
16.8	3.04	3.11	3.18	3.25	3.32	3.40	3.51	3.53	3.54	3.71	3.75
17.0	3.08	3.15	3.22	3.30	3.37	3.45	3.56	3.58	3.59	3.76	3.80
17.2	3.13	3.20	3.27	3.34	3.42	3.50	3.61	3.63	3.64	3.81	3.85
17.4	3.17	3.25	3.32	3.39	3.47	3.55	3.66	3.68	3.69	3.86	3.90
17.6	3.22	3.29	3.37	3.44	3.52	3.60	3.71	3.73	3.74	3.91	3.95
17.8	3.27	3.34	3.42	3.49	3.57	3.65	3.76	3.78	3.79	3.96	4.00
18.0	3.31	3.39	3.46	3.54	3.62	3.70	3.81	3.83	3.84	4.01	4.05
18.2	3.36	3.44	3.51	3.59	3.67	3.76	3.87	3.89	3.90	4.07	4.11
18.4	3.41	3.49	3.56	3.64	3.73	3.81	3.92	3.94	3.95	4.12	4.16
18.6	3.46	3.54	3.62	3.70	3.78	3.86	3.97	3.99	4.00	4.17	4.21
18.8	3.51	3.59	3.67	3.75	3.83	3.92	4.03	4.05	4.06	4.23	4.27
19.0	3.56	3.64	3.72	3.80	3.89	3.98	4.09	4.11	4.12	4.29	4.33
19.2	3.61	3.69	3.77	3.86	3.94	4.03	4.14	4.16	4.17	4.34	4.38
19.4	3.66	3.74	3.83	3.91	4.00	4.09	4.20	4.22	4.23	4.40	4.44
19.6	3.71	3.80	3.88	3.97	4.06	4.15	4.26	4.28	4.29	4.46	4.50
19.8	3.77	3.85	3.94	4.02	4.11	4.21	4.32	4.34	4.35	4.52	4.56
20.0	3.82	3.90	3.99	4.08	4.17	4.27	4.38	4.40	4.41	4.58	4.62
20.2	3.87	3.96	4.05	4.14	4.23	4.33	4.44	4.46	4.47	4.64	4.68
20.4	3.93	4.02	4.11	4.20	4.29	4.39	4.50	4.52	4.53	4.70	4.74
20.6	3.98	4.07	4.16	4.26	4.35	4.45	4.56	4.58	4.59	4.76	4.80
20.8	4.04	4.13	4.22	4.32	4.41	4.51	4.62	4.64	4.65	4.82	4.86
21.0	4.10	4.19	4.28	4.38	4.47	4.57	4.68	4.70	4.71	4.88	4.92

TABLE A-1 CONTINUED

TABLE PAGE 184

TEMP DEG C	8.00	8.01	8.02	8.03	8.04	PH 8.05	8.06	8.07	8.08	8.09	8.10
21.0	4.10	4.19	4.28	4.38	4.47	4.57	4.67	4.78	4.85	4.96	5.10
21.2	4.15	4.25	4.34	4.44	4.54	4.64	4.74	4.84	4.95	5.06	5.17
21.4	4.21	4.31	4.40	4.50	4.60	4.70	4.81	4.91	5.02	5.13	5.23
21.6	4.27	4.37	4.46	4.56	4.66	4.77	4.87	4.98	5.09	5.20	5.30
21.8	4.33	4.43	4.52	4.62	4.73	4.83	4.94	5.05	5.16	5.27	5.37
22.0	4.45	4.55	4.65	4.75	4.86	4.97	5.08	5.19	5.30	5.42	5.54
22.2	4.51	4.61	4.71	4.82	4.93	5.04	5.15	5.26	5.38	5.49	5.60
22.4	4.57	4.68	4.78	4.89	4.99	5.10	5.22	5.33	5.45	5.57	5.69
22.6	4.64	4.74	4.85	4.95	5.06	5.17	5.29	5.40	5.52	5.64	5.77
22.8	4.70	4.81	4.91	5.02	5.13	5.25	5.36	5.48	5.60	5.72	5.85
23.0	4.77	4.87	4.98	5.09	5.20	5.32	5.43	5.55	5.68	5.80	5.93
23.2	4.83	4.94	5.05	5.16	5.27	5.39	5.51	5.63	5.75	5.88	6.01
23.4	4.90	5.01	5.12	5.23	5.34	5.46	5.58	5.71	5.83	5.96	6.09
23.6	4.96	5.07	5.19	5.30	5.42	5.54	5.66	5.78	5.91	6.04	6.17
23.8	5.03	5.14	5.26	5.37	5.49	5.61	5.73	5.86	5.99	6.12	6.25
24.0	5.10	5.21	5.33	5.45	5.57	5.69	5.81	5.94	6.07	6.20	6.32
24.2	5.17	5.28	5.40	5.52	5.64	5.76	5.89	6.02	6.15	6.29	6.42
24.4	5.23	5.35	5.47	5.59	5.72	5.84	5.97	6.10	6.23	6.37	6.51
24.6	5.31	5.43	5.55	5.67	5.80	5.92	6.05	6.18	6.31	6.45	6.59
24.8	5.38	5.50	5.62	5.74	5.87	6.00	6.13	6.26	6.40	6.54	6.68
25.0	5.45	5.57	5.70	5.82	5.95	6.08	6.21	6.35	6.49	6.63	6.77
25.2	5.53	5.65	5.77	5.90	6.03	6.16	6.29	6.43	6.57	6.71	6.86
25.4	5.60	5.72	5.85	5.98	6.11	6.24	6.38	6.52	6.66	6.80	6.95
25.6	5.68	5.80	5.93	6.06	6.19	6.33	6.46	6.60	6.75	6.89	7.04
26.0	5.75	5.88	6.01	6.14	6.27	6.41	6.55	6.69	6.84	6.98	7.14
26.2	5.83	5.96	6.09	6.22	6.36	6.49	6.63	6.78	6.93	7.08	7.23
26.4	5.91	6.04	6.17	6.30	6.44	6.58	6.72	6.87	7.02	7.17	7.32
26.6	5.98	6.12	6.25	6.38	6.52	6.67	6.81	6.96	7.11	7.26	7.42
26.8	6.06	6.20	6.33	6.47	6.61	6.75	6.90	7.05	7.20	7.35	7.51
27.0	6.14	6.28	6.41	6.55	6.70	6.84	6.99	7.14	7.30	7.45	7.61
27.2	6.22	6.36	6.50	6.64	6.78	6.92	7.08	7.23	7.39	7.55	7.71
27.4	6.31	6.45	6.58	6.73	6.87	7.01	7.17	7.33	7.49	7.65	7.81
27.6	6.39	6.53	6.67	6.81	6.96	7.10	7.27	7.43	7.58	7.75	7.91
27.8	6.47	6.61	6.76	6.90	7.05	7.20	7.36	7.52	7.68	7.85	8.01
28.0	6.56	6.70	6.84	6.99	7.14	7.30	7.46	7.62	7.78	7.95	8.12

TEMP DEG C	8.00	8.01	8.02	8.03	8.04	PH 8.05	8.06	8.07	8.08	8.09	8.10
28.0	6.56	6.70	6.84	6.99	7.14	7.30	7.46	7.62	7.78	7.95	8.10
28.2	6.64	6.79	6.93	7.07	7.23	7.39	7.55	7.71	7.88	8.05	8.22
28.4	6.73	6.87	7.02	7.17	7.33	7.49	7.65	7.81	7.98	8.15	8.33
28.6	6.82	6.96	7.11	7.27	7.42	7.58	7.75	7.91	8.08	8.25	8.44
28.8	6.90	7.05	7.21	7.36	7.52	7.68	7.85	8.01	8.19	8.37	8.56
29.0	7.00	7.14	7.30	7.46	7.62	7.78	7.95	8.12	8.29	8.47	8.65
29.2	7.08	7.24	7.39	7.55	7.71	7.88	8.05	8.22	8.39	8.57	8.76
29.4	7.17	7.33	7.49	7.65	7.81	7.98	8.15	8.32	8.50	8.68	8.87
29.6	7.27	7.42	7.58	7.74	7.91	8.08	8.25	8.43	8.61	8.79	8.98
29.8	7.36	7.52	7.68	7.84	8.01	8.19	8.36	8.54	8.72	8.90	9.09
30.0	7.45	7.61	7.78	7.94	8.11	8.29	8.46	8.64	8.83	9.01	9.20
30.2	7.55	7.71	7.87	8.04	8.21	8.39	8.57	8.75	8.94	9.13	9.32
30.4	7.64	7.81	7.97	8.14	8.32	8.50	8.68	8.86	9.05	9.24	9.43
30.6	7.74	7.91	8.07	8.25	8.43	8.60	8.78	8.97	9.16	9.35	9.55
30.8	7.84	8.00	8.18	8.36	8.54	8.72	8.90	9.08	9.27	9.45	9.67
31.0	7.94	8.11	8.28	8.46	8.64	8.82	9.01	9.20	9.39	9.59	9.79
31.2	8.04	8.21	8.38	8.56	8.74	8.93	9.12	9.31	9.51	9.71	9.91
31.4	8.14	8.31	8.49	8.67	8.85	9.04	9.23	9.42	9.62	9.83	10.03
31.6	8.24	8.41	8.59	8.78	8.96	9.15	9.34	9.54	9.74	9.95	10.15
31.8	8.34	8.52	8.70	8.89	9.08	9.26	9.46	9.68	9.88	10.09	10.29
32.0	8.44	8.62	8.81	9.00	9.18	9.38	9.58	9.78	9.98	10.19	10.40
32.2	8.55	8.73	8.92	9.10	9.29	9.49	9.69	9.90	10.10	10.31	10.53
32.4	8.66	8.85	9.03	9.23	9.43	9.63	9.83	10.04	10.24	10.45	10.66
32.6	8.77	8.95	9.14	9.34	9.54	9.75	9.95	10.16	10.36	10.57	10.79
32.8	8.87	9.06	9.25	9.45	9.66	9.87	10.07	10.28	10.48	10.69	10.92
33.0	8.98	9.17	9.36	9.56	9.76	9.97	10.17	10.38	10.58	10.79	11.05
33.2	9.09	9.28	9.48	9.68	9.88	10.09	10.30	10.51	10.73	10.95	11.18
33.4	9.20	9.39	9.59	9.79	10.00	10.21	10.42	10.64	10.86	11.08	11.35
33.6	9.31	9.51	9.71	9.91	10.12	10.33	10.54	10.76	10.99	11.22	11.52
33.8	9.43	9.64	9.85	10.05	10.27	10.48	10.69	10.92	11.15	11.38	11.67
34.0	9.54	9.77	9.99	10.21	10.43	10.65	10.88	11.11	11.35	11.59	11.86
34.2	9.66	9.88	10.10	10.32	10.55	10.78	11.01	11.25	11.49	11.74	12.04
34.4	9.77	9.98	10.19	10.41	10.64	10.87	11.10	11.34	11.59	11.84	12.13
34.6	9.89	10.10	10.31	10.53	10.76	10.99	11.22	11.46	11.71	11.96	12.34
34.8	10.01	10.23	10.46	10.68	10.91	11.14	11.37	11.61	11.86	12.12	

TABLE A-1 CONTINUED

TEMP DEG C	8.00	8.01	8.02	8.03	8.04	PH 8.05	8.06	8.07	8.08	8.09	8.10
35.0	10.1	10.3	10.6	10.9	11.0	11.2	11.5	11.7	11.9	12.3	12.4
35.2	10.2	10.5	10.7	11.0	11.1	11.3	11.6	11.8	12.0	12.5	12.6
35.4	10.3	10.6	10.8	11.1	11.2	11.4	11.7	11.9	12.1	12.6	12.7
35.6	10.4	10.7	10.9	11.2	11.3	11.5	11.8	12.0	12.2	12.7	12.8
35.8	10.5	10.8	11.0	11.3	11.4	11.6	11.9	12.1	12.3	12.8	12.9
36.0	10.7	11.0	11.2	11.4	11.5	11.7	12.0	12.2	12.4	12.9	13.0
36.2	10.9	11.2	11.4	11.6	11.7	11.9	12.2	12.4	12.6	13.0	13.1
36.4	11.0	11.3	11.5	11.7	11.8	12.0	12.3	12.5	12.7	13.1	13.2
36.6	11.1	11.4	11.6	11.8	11.9	12.1	12.4	12.6	12.8	13.2	13.3
36.8	11.3	11.5	11.7	11.9	12.0	12.2	12.5	12.7	12.9	13.3	13.4
37.0	11.4	11.6	11.8	12.0	12.1	12.3	12.6	12.8	13.0	13.4	13.5
37.2	11.5	11.7	11.9	12.1	12.2	12.4	12.7	12.9	13.1	13.5	13.6
37.4	11.7	11.9	12.1	12.2	12.3	12.5	12.8	13.0	13.2	13.6	13.7
37.6	11.8	12.0	12.2	12.3	12.4	12.6	12.9	13.1	13.3	13.7	13.8
37.8	11.9	12.1	12.3	12.4	12.5	12.7	13.0	13.2	13.4	13.8	13.9
38.0	12.1	12.2	12.4	12.5	12.6	12.8	13.1	13.3	13.5	13.9	14.0
38.2	12.3	12.4	12.5	12.6	12.7	12.9	13.2	13.4	13.6	14.0	14.1
38.4	12.5	12.6	12.7	12.8	12.9	13.0	13.3	13.5	13.7	14.1	14.2
38.6	12.6	12.7	12.8	12.9	13.0	13.1	13.4	13.6	13.8	14.2	14.3
38.8	12.8	12.9	13.0	13.1	13.2	13.3	13.5	13.7	13.9	14.3	14.4
39.0	12.9	13.0	13.1	13.2	13.3	13.4	13.6	13.8	14.0	14.4	14.5
39.2	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.9	14.1	14.5	14.6
39.4	13.2	13.3	13.4	13.5	13.6	13.7	13.8	14.0	14.2	14.6	14.7
39.6	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.2	14.4	14.7	14.8
39.8	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.3	14.5	14.8	14.9
40.0	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.5	14.7	14.9	15.0

TABLE A-1 CONTINUED

TABLE PAGE 187

TEMP DEG C	8.10	8.11	8.12	8.13	8.14	PH 8.15	8.16	8.17	8.18	8.19	8.20
0	1.003	1.007	1.010	1.014	1.017	1.019	1.020	1.023	1.026	1.029	1.034
1	1.005	1.009	1.011	1.015	1.018	1.020	1.021	1.024	1.027	1.030	1.035
2	1.007	1.011	1.013	1.017	1.020	1.022	1.023	1.026	1.029	1.032	1.037
3	1.009	1.013	1.015	1.019	1.022	1.024	1.025	1.028	1.031	1.034	1.039
4	1.011	1.015	1.017	1.021	1.024	1.026	1.027	1.030	1.033	1.036	1.041
5	1.013	1.017	1.019	1.023	1.026	1.028	1.029	1.032	1.035	1.038	1.043
6	1.015	1.019	1.021	1.025	1.028	1.030	1.031	1.034	1.037	1.040	1.045
7	1.017	1.021	1.023	1.027	1.030	1.032	1.033	1.036	1.039	1.042	1.047
8	1.019	1.023	1.025	1.029	1.032	1.034	1.035	1.038	1.041	1.044	1.049
9	1.021	1.025	1.027	1.031	1.034	1.036	1.037	1.040	1.043	1.046	1.051
10	1.023	1.027	1.029	1.033	1.036	1.038	1.039	1.042	1.045	1.048	1.053
11	1.025	1.029	1.031	1.035	1.038	1.040	1.041	1.044	1.047	1.050	1.055
12	1.027	1.031	1.033	1.037	1.040	1.042	1.043	1.046	1.049	1.052	1.057
13	1.029	1.033	1.035	1.039	1.042	1.044	1.045	1.048	1.051	1.054	1.059
14	1.031	1.035	1.037	1.041	1.044	1.046	1.047	1.050	1.053	1.056	1.061
15	1.033	1.037	1.039	1.043	1.046	1.048	1.049	1.052	1.055	1.058	1.063
16	1.035	1.039	1.041	1.045	1.048	1.050	1.051	1.054	1.057	1.060	1.065
17	1.037	1.041	1.043	1.047	1.050	1.052	1.053	1.056	1.059	1.062	1.067
18	1.039	1.043	1.045	1.049	1.052	1.054	1.055	1.058	1.061	1.064	1.069
19	1.041	1.045	1.047	1.051	1.054	1.056	1.057	1.060	1.063	1.066	1.071
20	1.043	1.047	1.049	1.053	1.056	1.058	1.059	1.062	1.065	1.068	1.073
21	1.045	1.049	1.051	1.055	1.058	1.060	1.061	1.064	1.067	1.070	1.075
22	1.047	1.051	1.053	1.057	1.060	1.062	1.063	1.066	1.069	1.072	1.077
23	1.049	1.053	1.055	1.059	1.062	1.064	1.065	1.068	1.071	1.074	1.079
24	1.051	1.055	1.057	1.061	1.064	1.066	1.067	1.070	1.073	1.076	1.081
25	1.053	1.057	1.059	1.063	1.066	1.068	1.069	1.072	1.075	1.078	1.083
26	1.055	1.059	1.061	1.065	1.068	1.070	1.071	1.074	1.077	1.080	1.085
27	1.057	1.061	1.063	1.067	1.070	1.072	1.073	1.076	1.079	1.082	1.087
28	1.059	1.063	1.065	1.069	1.072	1.074	1.075	1.078	1.081	1.084	1.089
29	1.061	1.065	1.067	1.071	1.074	1.076	1.077	1.080	1.083	1.086	1.091
30	1.063	1.067	1.069	1.073	1.076	1.078	1.079	1.082	1.085	1.088	1.093
31	1.065	1.069	1.071	1.075	1.078	1.080	1.081	1.084	1.087	1.090	1.095
32	1.067	1.071	1.073	1.077	1.080	1.082	1.083	1.086	1.089	1.092	1.097
33	1.069	1.073	1.075	1.079	1.082	1.084	1.085	1.088	1.091	1.094	1.099
34	1.071	1.075	1.077	1.081	1.084	1.086	1.087	1.090	1.093	1.096	1.101
35	1.073	1.077	1.079	1.083	1.086	1.088	1.089	1.092	1.095	1.098	1.103
36	1.075	1.079	1.081	1.085	1.088	1.090	1.091	1.094	1.097	1.100	1.105
37	1.077	1.081	1.083	1.087	1.090	1.092	1.093	1.096	1.099	1.102	1.107
38	1.079	1.083	1.085	1.089	1.092	1.094	1.095	1.098	1.101	1.104	1.109
39	1.081	1.085	1.087	1.091	1.094	1.096	1.097	1.100	1.103	1.106	1.111
40	1.083	1.087	1.089	1.093	1.096	1.098	1.099	1.102	1.105	1.108	1.113
41	1.085	1.089	1.091	1.095	1.098	1.100	1.101	1.104	1.107	1.110	1.115
42	1.087	1.091	1.093	1.097	1.100	1.102	1.103	1.106	1.109	1.112	1.117
43	1.089	1.093	1.095	1.099	1.102	1.104	1.105	1.108	1.111	1.114	1.119
44	1.091	1.095	1.097	1.101	1.104	1.106	1.107	1.110	1.113	1.116	1.121
45	1.093	1.097	1.099	1.103	1.106	1.108	1.109	1.112	1.115	1.118	1.123
46	1.095	1.099	1.101	1.105	1.108	1.110	1.111	1.114	1.117	1.120	1.125
47	1.097	1.101	1.103	1.107	1.110	1.112	1.113	1.116	1.119	1.122	1.127
48	1.099	1.103	1.105	1.109	1.112	1.114	1.115	1.118	1.121	1.124	1.129
49	1.101	1.105	1.107	1.111	1.114	1.116	1.117	1.120	1.123	1.126	1.131
50	1.103	1.107	1.109	1.113	1.116	1.118	1.119	1.122	1.125	1.128	1.133
51	1.105	1.109	1.111	1.115	1.118	1.120	1.121	1.124	1.127	1.130	1.135
52	1.107	1.111	1.113	1.117	1.120	1.122	1.123	1.126	1.129	1.132	1.137
53	1.109	1.113	1.115	1.119	1.122	1.124	1.125	1.128	1.131	1.134	1.139
54	1.111	1.115	1.117	1.121	1.124	1.126	1.127	1.130	1.133	1.136	1.141
55	1.113	1.117	1.119	1.123	1.126	1.128	1.129	1.132	1.135	1.138	1.143
56	1.115	1.119	1.121	1.125	1.128	1.130	1.131	1.134	1.137	1.140	1.145
57	1.117	1.121	1.123	1.127	1.130	1.132	1.133	1.136	1.139	1.142	1.147
58	1.119	1.123	1.125	1.129	1.132	1.134	1.135	1.138	1.141	1.144	1.149
59	1.121	1.125	1.127	1.131	1.134	1.136	1.137	1.140	1.143	1.146	1.151
60	1.123	1.127	1.129	1.133	1.136	1.138	1.139	1.142	1.145	1.148	1.153
61	1.125	1.129	1.131	1.135	1.138	1.140	1.141	1.144	1.147	1.150	1.155
62	1.127	1.131	1.133	1.137	1.140	1.142	1.143	1.146	1.149	1.152	1.157
63	1.129	1.133	1.135	1.139	1.142	1.144	1.145	1.148	1.151	1.154	1.159
64	1.131	1.135	1.137	1.141	1.144	1.146	1.147	1.150	1.153	1.156	1.161
65	1.133	1.137	1.139	1.143	1.146	1.148	1.149	1.152	1.155	1.158	1.163
66	1.135	1.139	1.141	1.145	1.148	1.150	1.151	1.154	1.157	1.160	1.165
67	1.137	1.141	1.143	1.147	1.150	1.152	1.153	1.156	1.159	1.162	1.167
68	1.139	1.143	1.145	1.149	1.152	1.154	1.155	1.158	1.161	1.164	1.169
69	1.141	1.145	1.147	1.151	1.154	1.156	1.157	1.160	1.163	1.166	1.171
70	1.143	1.147	1.149	1.153	1.156	1.158	1.159	1.162	1.165	1.168	1.173
71	1.145	1.149	1.151	1.155	1.158	1.160	1.161	1.164	1.167	1.170	1.175
72	1.147	1.151	1.153	1.157	1.160	1.162	1.163	1.166	1.169	1.172	1.177
73	1.149	1.153	1.155	1.159	1.162	1.164	1.165	1.168	1.171	1.174	1.179
74	1.151	1.155	1.157	1.161	1.164	1.166	1.167	1.170	1.173	1.176	1.181
75	1.153	1.157	1.159	1.163	1.166	1.168	1.169	1.172	1.175	1.178	1.183
76	1.155	1.159	1.161	1.165	1.168	1.170	1.171	1.174	1.177	1.180	1.185
77	1.157	1.161	1.163	1.167	1.170	1.172	1.173	1.176	1.179	1.182	1.187
78	1.159	1.163	1.165	1.169	1.172	1.174	1.175	1.178	1.181	1.184	1.189
79	1.161	1.165	1.167	1.171	1.174	1.176	1.177	1.180	1.183	1.186	1.191
80	1.163	1.167	1.169	1.173	1.176	1.178	1.179	1.182	1.185	1.188	1.193
81	1.165	1.169	1.171	1.175	1.178	1.180	1.181	1.184	1.187	1.190	1.195
82	1.167	1.171	1.173	1.177	1.180	1.182	1.183	1.186	1.189	1.192	1.197
83	1.169	1.173	1.175	1.179	1.182	1.184	1.185	1.188	1.191	1.194	1.199
84	1.171	1.175	1.177	1.181	1.184	1.186	1.187	1.190	1.193	1.196	1.201
85	1.173	1.177	1.179	1.183	1.186	1.188	1.189	1.192	1.195	1.198	1.203
86	1.175	1.179	1.181	1.185	1.188	1.190	1.191	1.194	1.197	1.200	1.205
87	1.177	1.181	1.183	1.187	1.190	1.192	1.193	1.196	1.199	1.202	1.207
88	1.179	1.183	1.185	1.189	1.192	1.194	1.195	1.198	1.201	1.204	1.209
89	1.181	1.185	1.187	1.191	1.194	1.196	1.197	1.200	1.203	1.206	1.211
90	1.183	1.187	1.189	1.193	1.196	1.198	1.199	1.202	1.205	1.208	1.213
91	1.185	1.189	1.191	1.195	1.198	1.200	1.201	1.204	1.207	1.210	1.215
92	1.187	1.191	1.193	1.197	1.200	1.202	1.203	1.206	1.209	1.212	1.217
93	1.189	1.193	1.195	1.199	1.202	1.204	1.205	1.208	1.211	1.214	1.219
94	1.191	1.195	1.197	1.201	1.204	1.206	1.207	1.210	1.213	1.216	1.221
95	1.193	1.197	1.199	1.203	1.206	1.208	1.209	1.212	1.215	1.218	1.223
96	1.195	1.199	1.201	1.205	1.208	1.210	1.211	1.214	1.217	1.220	1.225
97	1.197	1.201	1.203	1.207	1.210	1.212	1.213	1.216	1.219	1.222	1.227
98	1.199	1.203	1.205	1.209	1.212	1.214	1.215	1.218	1.221	1.224	1.229</

TABLE A-1 CONTINUED

TABLE PAGE 188

TEMP DEG C	8.10	8.11	8.12	8.13	8.14	PH 8.15	8.16	8.17	8.18	8.19	8.20
7.0	1.842	1.869	1.903	1.947	1.992	2.036	2.081	2.126	2.171	2.216	2.260
7.2	1.847	1.874	1.908	1.952	1.997	2.041	2.086	2.131	2.176	2.221	2.265
7.4	1.850	1.877	1.911	1.955	1.999	2.043	2.088	2.133	2.178	2.223	2.267
7.6	1.853	1.880	1.914	1.958	2.002	2.046	2.091	2.136	2.181	2.226	2.270
7.8	1.856	1.883	1.917	1.961	2.005	2.049	2.094	2.139	2.184	2.229	2.273
8.0	1.859	1.886	1.920	1.964	2.008	2.052	2.097	2.142	2.187	2.232	2.276
8.2	1.862	1.889	1.923	1.967	2.011	2.055	2.100	2.145	2.190	2.235	2.279
8.4	1.865	1.892	1.926	1.970	2.014	2.058	2.103	2.148	2.193	2.238	2.282
8.6	1.868	1.895	1.929	1.973	2.017	2.061	2.106	2.151	2.196	2.241	2.285
8.8	1.871	1.898	1.932	1.976	2.020	2.064	2.109	2.154	2.199	2.244	2.288
9.0	1.874	1.901	1.935	1.979	2.023	2.067	2.112	2.157	2.202	2.247	2.291
9.2	1.877	1.904	1.938	1.982	2.026	2.070	2.115	2.160	2.205	2.250	2.294
9.4	1.880	1.907	1.941	1.985	2.029	2.073	2.118	2.163	2.208	2.253	2.297
9.6	1.883	1.910	1.944	1.988	2.032	2.076	2.121	2.166	2.211	2.256	2.300
9.8	1.886	1.913	1.947	1.991	2.035	2.079	2.124	2.169	2.214	2.259	2.303
10.0	1.889	1.916	1.950	1.994	2.038	2.082	2.127	2.172	2.217	2.262	2.306
10.2	1.892	1.919	1.953	1.997	2.041	2.085	2.130	2.175	2.220	2.265	2.309
10.4	1.895	1.922	1.956	2.000	2.044	2.088	2.133	2.178	2.223	2.268	2.312
10.6	1.898	1.925	1.959	2.003	2.047	2.091	2.136	2.181	2.226	2.271	2.315
10.8	1.901	1.928	1.962	2.006	2.050	2.094	2.139	2.184	2.229	2.274	2.318
11.0	1.904	1.931	1.965	2.009	2.053	2.097	2.142	2.187	2.232	2.277	2.321
11.2	1.907	1.934	1.968	2.012	2.056	2.100	2.145	2.190	2.235	2.280	2.324
11.4	1.910	1.937	1.971	2.015	2.059	2.103	2.148	2.193	2.238	2.283	2.327
11.6	1.913	1.940	1.974	2.018	2.062	2.106	2.151	2.196	2.241	2.286	2.330
11.8	1.916	1.943	1.977	2.021	2.065	2.109	2.154	2.199	2.244	2.289	2.333
12.0	1.919	1.946	1.980	2.024	2.068	2.112	2.157	2.202	2.247	2.292	2.336
12.2	1.922	1.949	1.983	2.027	2.071	2.115	2.160	2.205	2.250	2.295	2.339
12.4	1.925	1.952	1.986	2.030	2.074	2.118	2.163	2.208	2.253	2.298	2.342
12.6	1.928	1.955	1.989	2.033	2.077	2.121	2.166	2.211	2.256	2.301	2.345
12.8	1.931	1.958	1.992	2.036	2.080	2.124	2.169	2.214	2.259	2.304	2.348
13.0	1.934	1.961	1.995	2.039	2.083	2.127	2.172	2.217	2.262	2.307	2.351
13.2	1.937	1.964	1.998	2.042	2.086	2.130	2.175	2.220	2.265	2.310	2.354
13.4	1.940	1.967	2.001	2.045	2.089	2.133	2.178	2.223	2.268	2.313	2.357
13.6	1.943	1.970	2.004	2.048	2.092	2.136	2.181	2.226	2.271	2.316	2.360
13.8	1.946	1.973	2.007	2.051	2.095	2.139	2.184	2.229	2.274	2.319	2.363
14.0	1.949	1.976	2.010	2.054	2.098	2.142	2.187	2.232	2.277	2.322	2.366

TABLE A-1 CONTINUED

TABLE PAGE 189

TEMP DEG C	8.10	8.11	8.12	8.13	8.14	PH 8.15	8.16	8.17	8.18	8.19	8.20
14.0	3.310	3.317	3.324	3.331	3.338	3.345	3.352	3.359	3.366	3.373	3.380
14.4	3.319	3.326	3.333	3.340	3.347	3.354	3.361	3.368	3.375	3.382	3.389
14.8	3.328	3.335	3.342	3.349	3.356	3.363	3.370	3.377	3.384	3.391	3.398
15.0	3.333	3.340	3.347	3.354	3.361	3.368	3.375	3.382	3.389	3.396	3.403
15.2	3.338	3.345	3.352	3.359	3.366	3.373	3.380	3.387	3.394	3.401	3.408
15.6	3.348	3.355	3.362	3.369	3.376	3.383	3.390	3.397	3.404	3.411	3.418
16.0	3.358	3.365	3.372	3.379	3.386	3.393	3.400	3.407	3.414	3.421	3.428
16.4	3.368	3.375	3.382	3.389	3.396	3.403	3.410	3.417	3.424	3.431	3.438
16.8	3.378	3.385	3.392	3.399	3.406	3.413	3.420	3.427	3.434	3.441	3.448
17.0	3.385	3.392	3.399	3.406	3.413	3.420	3.427	3.434	3.441	3.448	3.455
17.4	3.395	3.402	3.409	3.416	3.423	3.430	3.437	3.444	3.451	3.458	3.465
17.8	3.405	3.412	3.419	3.426	3.433	3.440	3.447	3.454	3.461	3.468	3.475
18.0	3.414	3.421	3.428	3.435	3.442	3.449	3.456	3.463	3.470	3.477	3.484
18.4	3.424	3.431	3.438	3.445	3.452	3.459	3.466	3.473	3.480	3.487	3.494
18.8	3.434	3.441	3.448	3.455	3.462	3.469	3.476	3.483	3.490	3.497	3.504
19.0	3.444	3.451	3.458	3.465	3.472	3.479	3.486	3.493	3.500	3.507	3.514
19.4	3.454	3.461	3.468	3.475	3.482	3.489	3.496	3.503	3.510	3.517	3.524
19.8	3.464	3.471	3.478	3.485	3.492	3.499	3.506	3.513	3.520	3.527	3.534
20.0	3.474	3.481	3.488	3.495	3.502	3.509	3.516	3.523	3.530	3.537	3.544
20.4	3.484	3.491	3.498	3.505	3.512	3.519	3.526	3.533	3.540	3.547	3.554
20.8	3.494	3.501	3.508	3.515	3.522	3.529	3.536	3.543	3.550	3.557	3.564
21.0	3.504	3.511	3.518	3.525	3.532	3.539	3.546	3.553	3.560	3.567	3.574

TABLE A-1 CONTINUED

TABLE PAGE 190

TEMP DEG C	8.10	8.11	8.12	8.13	8.14	PH 8.15	8.16	8.17	8.18	8.19	8.20
21.0	5.10	5.21	5.33	5.45	5.57	5.69	5.81	5.94	6.07	6.20	6.34
21.2	5.17	5.29	5.40	5.52	5.64	5.77	5.89	6.02	6.15	6.29	6.43
21.4	5.24	5.36	5.48	5.60	5.72	5.85	5.98	6.11	6.24	6.38	6.51
21.6	5.32	5.43	5.55	5.68	5.80	5.93	6.06	6.19	6.32	6.46	6.60
21.8	5.39	5.51	5.63	5.75	5.88	6.01	6.14	6.27	6.41	6.55	6.69
22.0	5.46	5.58	5.71	5.83	5.96	6.09	6.22	6.36	6.50	6.64	6.78
22.2	5.54	5.66	5.79	5.91	6.04	6.17	6.31	6.45	6.59	6.73	6.87
22.4	5.62	5.74	5.86	5.99	6.12	6.25	6.39	6.53	6.67	6.82	6.97
22.6	5.70	5.82	5.94	6.07	6.20	6.33	6.47	6.61	6.75	6.90	7.06
22.8	5.77	5.90	6.02	6.15	6.28	6.41	6.55	6.69	6.83	6.99	7.15
23.0	5.85	6.06	6.19	6.32	6.45	6.59	6.75	6.98	7.14	7.29	7.45
23.2	5.93	6.14	6.27	6.40	6.53	6.68	6.84	7.07	7.23	7.38	7.55
23.4	6.01	6.22	6.35	6.48	6.61	6.77	6.93	7.16	7.32	7.48	7.65
23.6	6.09	6.30	6.43	6.56	6.69	6.86	7.02	7.25	7.41	7.58	7.75
23.8	6.17	6.38	6.51	6.64	6.77	6.95	7.11	7.34	7.50	7.67	7.85
24.0	6.25	6.46	6.59	6.72	6.85	7.04	7.20	7.43	7.59	7.76	7.95
24.2	6.34	6.55	6.68	6.81	6.94	7.14	7.30	7.53	7.69	7.87	8.06
24.4	6.42	6.63	6.76	6.89	7.02	7.23	7.39	7.62	7.78	7.96	8.16
24.6	6.50	6.71	6.84	6.97	7.10	7.32	7.48	7.71	7.87	8.05	8.25
24.8	6.58	6.79	6.92	7.05	7.18	7.41	7.57	7.80	7.96	8.14	8.35
25.0	6.66	6.87	7.00	7.13	7.26	7.49	7.65	7.88	8.04	8.22	8.43
25.2	6.74	6.95	7.08	7.21	7.34	7.58	7.74	7.97	8.13	8.31	8.52
25.4	6.82	7.03	7.16	7.29	7.42	7.66	7.82	8.05	8.21	8.39	8.60
25.6	6.90	7.11	7.24	7.37	7.50	7.74	7.90	8.13	8.29	8.47	8.68
25.8	6.98	7.19	7.32	7.45	7.58	7.82	7.98	8.21	8.37	8.55	8.76
26.0	7.06	7.27	7.40	7.53	7.66	7.90	8.06	8.29	8.45	8.63	8.84
26.2	7.14	7.35	7.48	7.61	7.74	7.98	8.14	8.37	8.53	8.71	8.92
26.4	7.22	7.43	7.56	7.69	7.82	8.06	8.22	8.45	8.61	8.79	9.00
26.6	7.30	7.51	7.64	7.77	7.90	8.14	8.30	8.53	8.69	8.87	9.08
26.8	7.38	7.59	7.72	7.85	7.98	8.22	8.38	8.61	8.77	8.95	9.16
27.0	7.46	7.67	7.80	7.93	8.06	8.30	8.46	8.69	8.85	9.03	9.24
27.2	7.54	7.75	7.88	8.01	8.14	8.38	8.54	8.77	8.93	9.11	9.32
27.4	7.62	7.83	7.96	8.09	8.22	8.46	8.62	8.85	9.01	9.19	9.40
27.6	7.70	7.91	8.04	8.17	8.30	8.54	8.70	8.93	9.09	9.27	9.48
27.8	7.78	7.99	8.12	8.25	8.38	8.62	8.78	9.01	9.17	9.35	9.56
28.0	7.86	8.07	8.20	8.33	8.46	8.70	8.86	9.09	9.25	9.43	9.64

TABLE A-1 CONTINUED

TABLE PAGE 191

TEMP DEG C	8.10	8.11	8.12	8.13	8.14	PH 8.15	8.16	8.17	8.18	8.19	8.20
28.0	8.12	8.29	8.47	8.65	8.83	9.02	9.21	9.40	9.60	9.80	10.01
28.4	8.23	8.40	8.57	8.76	8.94	9.13	9.32	9.52	9.72	9.93	10.13
28.8	8.33	8.50	8.68	8.87	9.06	9.25	9.44	9.64	9.84	10.05	10.25
29.2	8.43	8.61	8.79	8.98	9.17	9.36	9.56	9.76	9.97	10.17	10.37
29.6	8.53	8.72	8.90	9.09	9.29	9.48	9.68	9.88	10.09	10.29	10.49
30.0	8.63	8.83	9.02	9.21	9.40	9.60	9.80	10.01	10.22	10.43	10.65
30.4	8.76	8.94	9.13	9.32	9.52	9.72	9.92	10.13	10.34	10.56	10.78
30.8	8.87	9.05	9.25	9.44	9.64	9.84	10.04	10.25	10.46	10.68	10.91
31.2	8.98	9.17	9.36	9.56	9.76	9.96	10.16	10.37	10.58	10.80	11.05
31.6	9.09	9.28	9.48	9.68	9.88	10.08	10.28	10.49	10.70	10.92	11.17
32.0	9.20	9.40	9.60	9.80	10.00	10.20	10.40	10.61	10.82	11.04	11.32
32.4	9.32	9.51	9.71	9.92	10.13	10.34	10.55	10.76	10.97	11.19	11.49
32.8	9.43	9.63	9.84	10.04	10.25	10.46	10.67	10.88	11.09	11.32	11.62
33.2	9.55	9.75	9.96	10.17	10.38	10.59	10.80	11.01	11.22	11.45	11.78
33.6	9.67	9.87	10.08	10.29	10.50	10.71	10.92	11.13	11.34	11.58	11.92
34.0	9.79	9.99	10.20	10.42	10.63	10.85	11.07	11.29	11.51	11.76	12.12
34.4	9.91	10.12	10.33	10.54	10.76	10.99	11.21	11.44	11.67	11.92	12.30
34.8	10.02	10.24	10.46	10.68	10.90	11.13	11.35	11.58	11.81	12.07	12.46
35.2	10.14	10.36	10.58	10.81	11.03	11.25	11.48	11.71	11.94	12.21	12.62
35.6	10.26	10.48	10.70	10.93	11.15	11.38	11.61	11.84	12.07	12.35	12.78
36.0	10.37	10.59	10.81	11.04	11.26	11.49	11.72	11.95	12.18	12.47	12.92
36.4	10.49	10.71	10.93	11.16	11.38	11.61	11.84	12.07	12.30	12.60	13.08
36.8	10.60	10.82	11.04	11.27	11.49	11.72	11.95	12.18	12.41	12.72	13.22
37.2	10.72	10.94	11.16	11.39	11.61	11.84	12.07	12.30	12.53	12.85	13.38
37.6	10.83	11.05	11.27	11.50	11.72	11.95	12.18	12.41	12.64	12.98	13.54
38.0	10.95	11.17	11.39	11.62	11.84	12.07	12.30	12.53	12.76	13.12	13.70
38.4	11.06	11.28	11.50	11.73	11.95	12.18	12.41	12.64	12.87	13.25	13.86
38.8	11.18	11.40	11.62	11.85	12.07	12.30	12.53	12.76	12.99	13.39	14.04
39.2	11.29	11.51	11.73	11.96	12.18	12.41	12.64	12.87	13.10	13.53	14.22
39.6	11.41	11.63	11.85	12.08	12.30	12.53	12.76	12.99	13.22	13.67	14.44
40.0	11.52	11.74	11.96	12.19	12.41	12.64	12.87	13.10	13.33	13.80	14.69

TEMP DEC C	8.10	8.11	8.12	8.13	8.14	PH 8.15	8.16	8.17	8.18	8.19	8.20
35.0	12.4	7	12.9	13.2	13.5	13.7	14.0	14.3	14.7	14.9	15.2
35.2	12.6	12.8	13.1	13.4	13.7	13.9	14.2	14.5	14.8	15.0	15.3
35.5	12.9	13.1	13.4	13.7	14.0	14.2	14.5	14.8	15.1	15.4	15.7
35.6	13.0	13.3	13.5	13.8	14.1	14.4	14.7	15.0	15.3	15.6	15.9
36.0	13.2	13.4	13.7	14.0	14.3	14.5	14.8	15.1	15.4	15.7	16.0
36.2	13.3	13.6	13.9	14.2	14.5	14.7	15.0	15.3	15.6	15.9	16.2
36.6	13.5	13.8	14.1	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.5
36.8	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6
37.0	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9
37.2	14.1	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1
37.4	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2
37.6	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4
37.8	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5
38.0	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.7
38.2	14.9	15.2	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9
38.4	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1
38.6	15.2	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.2
38.8	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4
39.0	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5
39.2	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7
39.4	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9
39.6	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1
40.0	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4

TEMP DEG C	8.20	8.21	8.22	8.23	8.24	PH 8.25	8.26	8.27	8.28	8.29	8.30
0	1.29	1.32	1.35	1.38	1.42	1.45	1.48	1.52	1.55	1.59	1.63
2	1.32	1.35	1.38	1.41	1.44	1.47	1.50	1.54	1.57	1.61	1.65
4	1.36	1.39	1.42	1.45	1.48	1.51	1.54	1.58	1.61	1.65	1.69
6	1.38	1.41	1.44	1.47	1.50	1.53	1.56	1.60	1.63	1.67	1.71
8	1.41	1.44	1.47	1.50	1.53	1.56	1.59	1.63	1.66	1.70	1.74
10	1.43	1.46	1.49	1.52	1.55	1.58	1.61	1.65	1.68	1.72	1.76
12	1.45	1.48	1.51	1.54	1.57	1.60	1.63	1.67	1.70	1.74	1.78
14	1.48	1.51	1.54	1.57	1.60	1.63	1.66	1.70	1.73	1.77	1.81
16	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.72	1.75	1.79	1.83
18	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.75	1.78	1.82	1.86
20	1.55	1.58	1.61	1.64	1.67	1.70	1.73	1.77	1.80	1.84	1.88
22	1.58	1.61	1.64	1.67	1.70	1.73	1.76	1.80	1.83	1.87	1.91
24	1.60	1.63	1.66	1.69	1.72	1.75	1.78	1.82	1.85	1.89	1.93
26	1.63	1.66	1.69	1.72	1.75	1.78	1.81	1.85	1.88	1.92	1.96
28	1.65	1.68	1.71	1.74	1.77	1.80	1.83	1.87	1.90	1.94	1.98
30	1.68	1.71	1.74	1.77	1.80	1.83	1.86	1.90	1.93	1.97	2.01
32	1.70	1.73	1.76	1.79	1.82	1.85	1.88	1.92	1.95	1.99	2.03
34	1.73	1.76	1.79	1.82	1.85	1.88	1.91	1.95	1.98	2.02	2.06
36	1.75	1.78	1.81	1.84	1.87	1.90	1.93	1.97	2.00	2.04	2.08
38	1.78	1.81	1.84	1.87	1.90	1.93	1.96	2.00	2.03	2.07	2.11
40	1.80	1.83	1.86	1.89	1.92	1.95	1.98	2.02	2.05	2.09	2.13
42	1.83	1.86	1.89	1.92	1.95	1.98	2.01	2.05	2.08	2.12	2.16
44	1.85	1.88	1.91	1.94	1.97	2.00	2.03	2.07	2.10	2.14	2.18
46	1.88	1.91	1.94	1.97	2.00	2.03	2.06	2.10	2.13	2.17	2.21
48	1.90	1.93	1.96	1.99	2.02	2.05	2.08	2.12	2.15	2.19	2.23
50	1.93	1.96	1.99	2.02	2.05	2.08	2.11	2.15	2.18	2.22	2.26
52	1.95	1.98	2.01	2.04	2.07	2.10	2.13	2.17	2.20	2.24	2.28
54	1.98	2.01	2.04	2.07	2.10	2.13	2.16	2.20	2.23	2.27	2.31
56	2.00	2.03	2.06	2.09	2.12	2.15	2.18	2.22	2.25	2.29	2.33
58	2.03	2.06	2.09	2.12	2.15	2.18	2.21	2.25	2.28	2.32	2.36
60	2.05	2.08	2.11	2.14	2.17	2.20	2.23	2.27	2.30	2.34	2.38
62	2.08	2.11	2.14	2.17	2.20	2.23	2.26	2.30	2.33	2.37	2.41
64	2.10	2.13	2.16	2.19	2.22	2.25	2.28	2.32	2.35	2.39	2.43
66	2.13	2.16	2.19	2.22	2.25	2.28	2.31	2.35	2.38	2.42	2.46
68	2.15	2.18	2.21	2.24	2.27	2.30	2.33	2.37	2.40	2.44	2.48
70	2.18	2.21	2.24	2.27	2.30	2.33	2.36	2.40	2.43	2.47	2.51
72	2.20	2.23	2.26	2.29	2.32	2.35	2.38	2.42	2.45	2.49	2.53
74	2.23	2.26	2.29	2.32	2.35	2.38	2.41	2.45	2.48	2.52	2.56
76	2.25	2.28	2.31	2.34	2.37	2.40	2.43	2.47	2.50	2.54	2.58
78	2.28	2.31	2.34	2.37	2.40	2.43	2.46	2.50	2.53	2.57	2.61
80	2.30	2.33	2.36	2.39	2.42	2.45	2.48	2.52	2.55	2.59	2.63
82	2.33	2.36	2.39	2.42	2.45	2.48	2.51	2.55	2.58	2.62	2.66
84	2.35	2.38	2.41	2.44	2.47	2.50	2.53	2.57	2.60	2.64	2.68
86	2.38	2.41	2.44	2.47	2.50	2.53	2.56	2.60	2.63	2.67	2.71
88	2.40	2.43	2.46	2.49	2.52	2.55	2.58	2.62	2.65	2.69	2.73
90	2.43	2.46	2.49	2.52	2.55	2.58	2.61	2.65	2.68	2.72	2.76
92	2.45	2.48	2.51	2.54	2.57	2.60	2.63	2.67	2.70	2.74	2.78
94	2.48	2.51	2.54	2.57	2.60	2.63	2.66	2.70	2.73	2.77	2.81
96	2.50	2.53	2.56	2.59	2.62	2.65	2.68	2.72	2.75	2.79	2.83
98	2.53	2.56	2.59	2.62	2.65	2.68	2.71	2.75	2.78	2.82	2.86
100	2.55	2.58	2.61	2.64	2.67	2.70	2.73	2.77	2.80	2.84	2.88

TABLE A-1 CONTINUED

TEMP DEG C	8.20	8.21	8.22	8.23	8.24	PH 8.25	8.26	8.27	8.28	8.29	8.30
7.0	2.28	3.36	3.42	3.47	3.53	5.59	6.60	6.70	7.72	7.83	8.89
7.2	2.31	3.40	3.46	3.51	3.57	5.63	6.64	6.75	7.77	7.87	8.94
7.4	2.33	3.44	3.50	3.55	3.61	5.67	6.68	6.79	7.81	7.91	8.98
7.6	2.35	3.46	3.52	3.57	3.63	5.69	6.71	6.83	7.83	7.93	9.00
7.8	2.46	3.52	3.57	3.63	3.69	5.75	6.81	6.93	7.94	8.01	
8.0	2.50	3.55	3.61	3.67	3.73	5.79	6.85	6.97	7.98	8.06	9.11
8.2	2.54	3.59	3.65	3.71	3.77	5.84	6.90	7.02	8.03	8.10	9.15
8.4	2.58	3.63	3.69	3.75	3.81	5.88	6.94	7.06	8.07	8.15	9.20
8.6	2.62	3.67	3.73	3.79	3.85	5.93	6.99	7.11	8.12	8.20	9.25
8.8	2.66	3.71	3.77	3.83	3.89	5.97	7.03	7.15	8.16	8.25	9.30
9.0	2.70	3.76	3.82	3.88	3.95	6.02	7.08	7.20	8.21	8.30	9.35
9.2	2.74	3.80	3.86	3.92	3.99	6.06	7.12	7.25	8.25	8.35	9.40
9.4	2.78	3.84	3.91	3.97	4.04	6.11	7.17	7.30	8.30	8.40	9.45
9.6	2.82	3.88	3.95	4.01	4.09	6.15	7.21	7.35	8.35	8.45	9.50
9.8	2.87	3.93	4.00	4.07	4.14	6.20	7.26	7.40	8.40	8.50	9.55
10.0	2.91	3.98	4.05	4.12	4.20	6.25	7.31	7.45	8.45	8.55	9.60
10.2	2.96	4.02	4.09	4.16	4.24	6.30	7.36	7.50	8.50	8.60	9.65
10.4	3.00	4.07	4.14	4.21	4.29	6.35	7.41	7.55	8.55	8.65	9.70
10.6	3.05	4.12	4.19	4.26	4.34	6.40	7.46	7.60	8.60	8.70	9.75
10.8	3.10	4.17	4.24	4.31	4.39	6.45	7.51	7.65	8.65	8.75	9.80
11.0	3.15	4.22	4.29	4.36	4.44	6.50	7.56	7.70	8.70	8.80	9.85
11.2	3.20	4.27	4.34	4.41	4.49	6.55	7.61	7.75	8.75	8.85	9.90
11.4	3.25	4.32	4.39	4.46	4.54	6.60	7.66	7.80	8.80	8.90	9.95
11.6	3.30	4.37	4.44	4.51	4.59	6.65	7.71	7.85	8.85	8.95	10.00
11.8	3.35	4.42	4.49	4.56	4.64	6.70	7.76	7.90	8.90	9.00	10.05
12.0	3.40	4.47	4.54	4.61	4.69	6.75	7.81	7.95	8.95	9.05	10.10
12.2	3.45	4.52	4.59	4.66	4.74	6.80	7.86	8.00	9.00	9.10	10.15
12.4	3.50	4.57	4.64	4.71	4.79	6.85	7.91	8.05	9.05	9.15	10.20
12.6	3.55	4.62	4.69	4.76	4.84	6.90	7.96	8.10	9.10	9.20	10.25
12.8	3.60	4.67	4.74	4.81	4.89	6.95	8.01	8.15	9.15	9.25	10.30
13.0	3.65	4.72	4.79	4.86	4.94	7.00	8.06	8.20	9.20	9.30	10.35
13.2	3.70	4.77	4.84	4.91	4.99	7.05	8.11	8.25	9.25	9.35	10.40
13.4	3.75	4.82	4.89	4.96	5.04	7.10	8.16	8.30	9.30	9.40	10.45
13.6	3.80	4.87	4.94	5.01	5.09	7.15	8.21	8.35	9.35	9.45	10.50
13.8	3.85	4.92	4.99	5.06	5.14	7.20	8.26	8.40	9.40	9.50	10.55
14.0	3.90	4.97	5.04	5.11	5.19	7.25	8.31	8.45	9.45	9.55	10.60

TEMP DEG C	8.20	8.21	8.22	8.23	8.24	PH 8.25	8.26	8.27	8.28	8.29	8.30
14.0	3.82	3.95	4.04	4.13	4.22	4.32	4.44	4.51	4.68	4.71	4.83
14.2	3.92	4.07	4.16	4.25	4.35	4.44	4.55	4.64	4.85	4.85	4.96
14.4	4.04	4.13	4.22	4.32	4.41	4.51	4.61	4.71	4.89	4.89	5.03
14.6	4.16	4.25	4.35	4.44	4.54	4.64	4.75	4.85	5.07	5.07	5.18
15.0	4.41	4.57	4.67	4.77	4.88	4.99	5.10	5.21	5.43	5.43	5.53
15.2	4.28	4.38	4.47	4.57	4.67	4.78	4.88	4.99	5.10	5.10	5.23
15.4	4.34	4.44	4.54	4.64	4.74	4.85	4.95	5.06	5.18	5.18	5.31
15.6	4.41	4.51	4.61	4.71	4.81	4.92	5.03	5.14	5.23	5.23	5.36
16.0	4.67	4.77	4.87	4.97	5.07	5.18	5.29	5.39	5.48	5.48	5.60
16.2	4.50	4.60	4.70	4.80	4.90	5.01	5.12	5.23	5.33	5.33	5.45
16.4	4.63	4.73	4.83	4.93	5.03	5.14	5.25	5.36	5.46	5.46	5.58
16.6	4.73	4.83	4.93	5.03	5.13	5.24	5.35	5.46	5.56	5.56	5.68
16.8	4.80	4.91	5.02	5.13	5.24	5.35	5.47	5.59	5.72	5.72	5.84
17.0	4.87	4.98	5.09	5.20	5.31	5.43	5.55	5.67	5.80	5.80	5.92
17.2	4.94	5.05	5.16	5.27	5.39	5.51	5.63	5.75	5.88	5.88	6.01
17.4	5.01	5.12	5.23	5.34	5.45	5.57	5.69	5.83	5.96	5.96	6.10
17.6	5.08	5.19	5.30	5.41	5.52	5.64	5.77	5.90	6.03	6.03	6.17
17.8	5.15	5.27	5.38	5.50	5.62	5.74	5.87	6.00	6.13	6.13	6.27
18.0	5.23	5.34	5.46	5.58	5.70	5.83	5.94	6.08	6.20	6.20	6.34
18.2	5.31	5.42	5.53	5.66	5.78	5.91	6.04	6.17	6.30	6.30	6.44
18.4	5.37	5.49	5.61	5.74	5.86	5.99	6.12	6.25	6.38	6.38	6.52
18.6	5.45	5.57	5.69	5.82	5.94	6.07	6.20	6.34	6.47	6.47	6.61
18.8	5.52	5.65	5.77	5.90	6.03	6.16	6.29	6.43	6.57	6.57	6.71
19.0	5.60	5.73	5.85	5.98	6.11	6.24	6.38	6.52	6.65	6.65	6.79
19.2	5.68	5.81	5.93	6.06	6.19	6.33	6.47	6.61	6.75	6.75	6.89
19.4	5.76	5.89	6.01	6.15	6.28	6.42	6.56	6.70	6.84	6.84	6.98
19.6	5.84	5.97	6.10	6.23	6.37	6.51	6.65	6.79	6.93	6.93	7.07
19.8	5.92	6.05	6.18	6.32	6.45	6.60	6.74	6.88	7.03	7.03	7.17
20.0	6.00	6.13	6.27	6.40	6.54	6.69	6.83	6.98	7.13	7.13	7.28
20.2	6.09	6.22	6.35	6.49	6.63	6.78	6.92	7.07	7.23	7.23	7.38
20.4	6.17	6.30	6.44	6.58	6.72	6.87	7.02	7.17	7.33	7.33	7.48
20.6	6.25	6.39	6.53	6.67	6.81	6.96	7.11	7.27	7.43	7.43	7.59
21.0	6.34	6.48	6.62	6.76	6.91	7.06	7.21	7.37	7.53	7.53	7.69

TABLE A-1 CONTINUED

TEMP DEG C	8.20	8.21	8.22	8.23	8.24	PH 8.25	8.26	8.27	8.28	8.29	8.30
21.0	6.34	6.48	6.62	6.76	6.91	7.06	7.21	7.37	7.53	7.69	7.85
21.2	6.43	6.57	6.71	6.85	7.00	7.15	7.31	7.47	7.63	7.79	7.96
21.4	6.51	6.66	6.80	6.95	7.10	7.25	7.41	7.57	7.73	7.90	8.06
21.6	6.50	6.75	6.89	7.04	7.19	7.35	7.51	7.67	7.83	8.00	8.16
21.8	6.69	6.84	6.99	7.14	7.29	7.45	7.61	7.77	7.94	8.11	8.27
22.0	6.78	6.93	7.08	7.23	7.39	7.55	7.71	7.88	8.04	8.22	8.39
22.2	6.87	7.02	7.18	7.33	7.49	7.65	7.81	7.98	8.15	8.33	8.50
22.4	6.97	7.12	7.27	7.43	7.59	7.74	7.92	8.09	8.26	8.44	8.62
22.6	7.06	7.21	7.37	7.53	7.69	7.86	8.02	8.20	8.37	8.55	8.73
22.8	7.16	7.31	7.47	7.63	7.79	7.96	8.13	8.30	8.48	8.66	8.84
23.0	7.25	7.41	7.57	7.73	7.90	8.07	8.24	8.41	8.59	8.78	8.96
23.2	7.35	7.51	7.67	7.83	8.00	8.17	8.35	8.52	8.71	8.89	9.07
23.4	7.45	7.61	7.77	7.94	8.11	8.28	8.46	8.64	8.82	9.01	9.19
23.6	7.55	7.71	7.87	8.04	8.21	8.38	8.57	8.75	8.93	9.12	9.30
23.8	7.65	7.81	7.98	8.15	8.33	8.50	8.69	8.88	9.05	9.24	9.42
24.0	7.75	7.91	8.08	8.26	8.44	8.61	8.79	8.98	9.17	9.36	9.54
24.2	7.85	8.02	8.19	8.36	8.54	8.72	8.91	9.10	9.29	9.48	9.67
24.4	7.95	8.12	8.30	8.47	8.65	8.83	9.02	9.21	9.40	9.59	9.78
24.6	8.06	8.23	8.40	8.58	8.77	8.95	9.14	9.33	9.52	9.71	9.90
24.8	8.16	8.34	8.51	8.70	8.88	9.07	9.26	9.45	9.64	9.83	10.02
25.0	8.27	8.45	8.63	8.81	9.00	9.19	9.38	9.58	9.77	9.96	10.15
25.2	8.38	8.56	8.74	8.92	9.11	9.30	9.50	9.70	9.89	10.09	10.28
25.4	8.49	8.67	8.85	9.03	9.23	9.42	9.62	9.82	10.01	10.21	10.40
25.6	8.60	8.78	8.96	9.15	9.35	9.54	9.75	9.95	10.14	10.34	10.53
25.8	8.71	8.89	9.08	9.27	9.47	9.67	9.87	10.07	10.26	10.46	10.65
26.0	8.82	9.01	9.20	9.39	9.59	9.79	10.00	10.20	10.39	10.59	10.78
26.2	8.93	9.12	9.31	9.51	9.71	9.91	10.12	10.32	10.51	10.71	10.91
26.4	9.05	9.24	9.43	9.63	9.83	10.03	10.24	10.44	10.63	10.83	11.03
26.6	9.16	9.36	9.55	9.75	9.95	10.15	10.36	10.56	10.75	10.95	11.15
26.8	9.28	9.48	9.68	9.88	10.09	10.29	10.50	10.70	10.89	11.09	11.29
27.0	9.40	9.60	9.80	10.00	10.21	10.41	10.62	10.82	11.01	11.21	11.41
27.2	9.52	9.72	9.92	10.13	10.34	10.54	10.75	10.95	11.14	11.34	11.54
27.4	9.64	9.84	10.05	10.26	10.47	10.67	10.88	11.08	11.27	11.47	11.67
27.6	9.76	9.96	10.17	10.39	10.60	10.81	11.02	11.22	11.41	11.61	11.81
27.8	9.88	10.09	10.30	10.52	10.73	10.94	11.15	11.35	11.54	11.74	11.94
28.0	10.00	10.2	10.4	10.6	10.9	11.1	11.3	11.6	11.8	12.0	12.2

TABLE A-1 CONTINUED

TEMP DEG C	8.20	8.21	8.22	8.23	8.24	PH 8.25	8.26	8.27	8.28	8.29	8.30
28.0	10.0	10.2	10.4	10.6	10.9	11.1	11.3	11.6	11.8	12.0	12.3
28.2	10.1	10.3	10.5	10.7	11.0	11.2	11.4	11.7	11.9	12.1	12.4
28.4	10.2	10.4	10.6	10.8	11.1	11.3	11.5	11.8	12.0	12.2	12.5
28.6	10.3	10.5	10.7	10.9	11.2	11.4	11.6	11.9	12.1	12.3	12.6
28.8	10.4	10.6	10.8	11.0	11.3	11.5	11.7	12.0	12.2	12.4	12.7
29.0	10.5	10.7	10.9	11.1	11.4	11.6	11.8	12.1	12.3	12.5	12.8
29.2	10.6	10.8	11.0	11.2	11.5	11.7	12.0	12.2	12.4	12.6	12.9
29.4	10.7	10.9	11.1	11.3	11.6	11.8	12.1	12.3	12.5	12.7	13.0
29.6	10.8	11.0	11.2	11.4	11.7	11.9	12.2	12.4	12.6	12.8	13.1
29.8	10.9	11.1	11.3	11.5	11.8	12.0	12.3	12.5	12.7	12.9	13.2
30.0	11.0	11.2	11.4	11.6	11.9	12.1	12.4	12.6	12.8	13.0	13.3
30.2	11.1	11.3	11.5	11.7	12.0	12.2	12.5	12.7	12.9	13.1	13.4
30.4	11.2	11.4	11.6	11.8	12.1	12.3	12.6	12.8	13.0	13.2	13.5
30.6	11.3	11.5	11.7	11.9	12.2	12.4	12.7	12.9	13.1	13.3	13.6
30.8	11.4	11.6	11.8	12.0	12.3	12.5	12.8	13.0	13.2	13.4	13.7
31.0	11.5	11.7	11.9	12.1	12.4	12.6	12.9	13.1	13.3	13.5	13.8
31.2	11.6	11.8	12.0	12.2	12.5	12.7	13.0	13.2	13.4	13.6	13.9
31.4	11.7	11.9	12.1	12.3	12.6	12.8	13.1	13.3	13.5	13.7	14.0
31.6	11.8	12.0	12.2	12.4	12.7	12.9	13.2	13.4	13.6	13.8	14.1
31.8	11.9	12.1	12.3	12.5	12.8	13.0	13.3	13.5	13.7	13.9	14.2
32.0	12.0	12.2	12.4	12.6	12.9	13.1	13.4	13.6	13.8	14.0	14.3
32.2	12.1	12.3	12.5	12.7	13.0	13.2	13.5	13.7	13.9	14.1	14.4
32.4	12.2	12.4	12.6	12.8	13.1	13.3	13.6	13.8	14.0	14.2	14.5
32.6	12.3	12.5	12.7	12.9	13.2	13.4	13.7	13.9	14.1	14.3	14.6
32.8	12.4	12.6	12.8	13.0	13.3	13.5	13.8	14.0	14.2	14.4	14.7
33.0	12.5	12.7	12.9	13.1	13.4	13.6	13.9	14.1	14.3	14.5	14.8
33.2	12.6	12.8	13.0	13.2	13.5	13.7	14.0	14.2	14.4	14.6	14.9
33.4	12.7	12.9	13.1	13.3	13.6	13.8	14.1	14.3	14.5	14.7	15.0
33.6	12.8	13.0	13.2	13.4	13.7	13.9	14.2	14.4	14.6	14.8	15.1
33.8	12.9	13.1	13.3	13.5	13.8	14.0	14.3	14.5	14.7	14.9	15.2
34.0	13.0	13.2	13.4	13.6	13.9	14.1	14.4	14.6	14.8	15.0	15.3
34.2	13.1	13.3	13.5	13.7	14.0	14.2	14.5	14.7	14.9	15.1	15.4
34.4	13.2	13.4	13.6	13.8	14.1	14.3	14.6	14.8	15.0	15.2	15.5
34.6	13.3	13.5	13.7	13.9	14.2	14.4	14.7	14.9	15.1	15.3	15.6
34.8	13.4	13.6	13.8	14.0	14.3	14.5	14.8	15.0	15.2	15.4	15.7
35.0	13.5	13.7	13.9	14.1	14.4	14.6	14.9	15.1	15.3	15.5	15.8

TABLE A-1 CONTINUED

TEMP DEG C	8.20	8.21	8.22	8.23	8.24	PH 8.25	8.26	8.27	8.28	8.29	8.30
35.0	15.2	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.7	18.0	18.4
35.2	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.8	18.1	18.5
35.4	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	18.0	18.3	18.7
35.6	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.2	18.5	18.9
35.8	15.8	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.4	18.7	19.1
36.0	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.5	18.8	19.2
36.2	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.7	19.0	19.4
36.4	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.9	19.2	19.6
36.6	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.1	19.4	19.8
36.8	16.7	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.3	19.6	20.0
37.0	16.9	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.5	19.8	20.2
37.2	17.1	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.7	20.0	20.4
37.4	17.3	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.9	20.2	20.6
37.6	17.5	17.9	18.2	18.5	18.8	19.1	19.4	19.7	20.1	20.4	20.8
37.8	17.7	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.3	20.6	21.0
38.0	17.9	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.5	20.8	21.2
38.2	18.1	18.5	18.8	19.1	19.4	19.7	20.0	20.3	20.7	21.0	21.4
38.4	18.2	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.8	21.1	21.5
38.6	18.4	18.8	19.1	19.4	19.7	20.0	20.3	20.6	21.0	21.3	21.7
38.8	18.6	19.0	19.3	19.6	19.9	20.2	20.5	20.8	21.2	21.5	21.9
39.0	18.8	19.2	19.5	19.8	20.1	20.4	20.7	21.0	21.4	21.7	22.1
39.2	19.0	19.4	19.7	20.0	20.3	20.6	20.9	21.2	21.6	21.9	22.3
39.4	19.2	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.8	22.1	22.5
39.6	19.4	19.8	20.1	20.4	20.7	21.0	21.3	21.6	22.0	22.3	22.7
39.8	19.6	20.0	20.3	20.6	20.9	21.2	21.5	21.8	22.2	22.5	22.9
40.0	19.8	20.2	20.5	20.8	21.1	21.4	21.7	22.0	22.4	22.7	23.1

TABLE A-1 CONTINUED

TABLE PAGE 199

TEMP DEG C	8.30	8.31	8.32	8.33	8.34	PH 8.35	8.36	8.37	8.38	8.39	8.40
0	1.652	1.666	1.703	1.777	1.781	1.852	1.896	1.903	1.948	1.992	2.073
2	1.658	1.672	1.716	1.783	1.787	1.858	1.902	1.907	1.951	2.009	2.091
4	1.671	1.684	1.731	1.796	1.800	1.881	1.925	1.930	1.974	2.032	2.114
6	1.673	1.686	1.734	1.799	1.803	1.894	1.938	1.943	1.987	2.045	2.127
8	1.676	1.689	1.738	1.803	1.807	1.899	1.943	1.948	1.992	2.050	2.132
10	1.799	1.833	1.871	1.925	1.929	2.014	2.058	2.063	2.107	2.165	2.247
12	1.825	1.859	1.897	1.951	1.955	2.040	2.084	2.089	2.133	2.191	2.273
14	1.888	1.892	1.930	1.984	1.988	2.070	2.114	2.119	2.163	2.221	2.303
16	1.891	1.895	1.933	1.987	1.991	2.073	2.117	2.122	2.166	2.224	2.306
18	1.948	1.952	1.990	2.044	2.048	2.130	2.174	2.179	2.223	2.281	2.363
20	1.901	1.905	1.943	2.007	2.011	2.100	2.144	2.149	2.193	2.251	2.333
22	2.007	2.011	2.049	2.113	2.117	2.200	2.244	2.249	2.293	2.351	2.433
24	2.148	2.152	2.190	2.254	2.258	2.340	2.384	2.389	2.433	2.491	2.573
26	2.225	2.229	2.267	2.331	2.335	2.420	2.464	2.469	2.513	2.571	2.653
28	2.333	2.337	2.375	2.439	2.443	2.530	2.574	2.579	2.623	2.681	2.763
30	2.443	2.447	2.485	2.549	2.553	2.640	2.684	2.689	2.733	2.791	2.873
32	2.553	2.557	2.595	2.659	2.663	2.750	2.794	2.799	2.843	2.901	2.983
34	2.672	2.676	2.714	2.778	2.782	2.870	2.914	2.919	2.963	3.021	3.103
36	2.791	2.795	2.833	2.897	2.901	3.000	3.044	3.049	3.093	3.151	3.233
38	2.901	2.905	2.943	3.007	3.011	3.110	3.154	3.159	3.203	3.261	3.343
40	3.011	3.015	3.053	3.117	3.121	3.220	3.264	3.269	3.313	3.371	3.453
42	3.121	3.125	3.163	3.227	3.231	3.330	3.374	3.379	3.423	3.481	3.563
44	3.231	3.235	3.273	3.337	3.341	3.440	3.484	3.489	3.533	3.591	3.673
46	3.341	3.345	3.383	3.447	3.451	3.550	3.594	3.599	3.643	3.701	3.783
48	3.451	3.455	3.493	3.557	3.561	3.660	3.704	3.709	3.753	3.811	3.893
50	3.561	3.565	3.603	3.667	3.671	3.770	3.814	3.819	3.863	3.921	4.003
52	3.671	3.675	3.713	3.777	3.781	3.880	3.924	3.929	3.973	4.031	4.113
54	3.781	3.785	3.823	3.887	3.891	3.990	4.034	4.039	4.083	4.141	4.223
56	3.891	3.895	3.933	3.997	4.001	4.100	4.144	4.149	4.193	4.251	4.333
58	4.001	4.005	4.043	4.107	4.111	4.210	4.254	4.259	4.303	4.361	4.443
60	4.111	4.115	4.153	4.217	4.221	4.320	4.364	4.369	4.413	4.471	4.553
62	4.221	4.225	4.263	4.327	4.331	4.430	4.474	4.479	4.523	4.581	4.663
64	4.331	4.335	4.373	4.437	4.441	4.540	4.584	4.589	4.633	4.691	4.773
66	4.441	4.445	4.483	4.547	4.551	4.650	4.694	4.699	4.743	4.801	4.883
68	4.551	4.555	4.593	4.657	4.661	4.760	4.804	4.809	4.853	4.911	5.003
70	4.661	4.665	4.703	4.767	4.771	4.870	4.914	4.919	4.963	5.021	5.103
72	4.771	4.775	4.813	4.877	4.881	4.980	5.024	5.029	5.073	5.131	5.213
74	4.881	4.885	4.923	5.007	5.011	5.100	5.144	5.149	5.193	5.251	5.333
76	4.991	4.995	5.033	5.097	5.101	5.190	5.234	5.239	5.283	5.341	5.423
78	5.101	5.105	5.143	5.207	5.211	5.300	5.344	5.349	5.393	5.451	5.533
80	5.211	5.215	5.253	5.317	5.321	5.410	5.454	5.459	5.503	5.561	5.643
82	5.321	5.325	5.363	5.427	5.431	5.520	5.564	5.569	5.613	5.671	5.753
84	5.431	5.435	5.473	5.537	5.541	5.630	5.674	5.679	5.723	5.781	5.863
86	5.541	5.545	5.583	5.647	5.651	5.740	5.784	5.789	5.833	5.891	5.973
88	5.651	5.655	5.693	5.757	5.761	5.850	5.894	5.899	5.943	6.001	6.083
90	5.761	5.765	5.803	5.867	5.871	5.960	6.004	6.009	6.053	6.111	6.193
92	5.871	5.875	5.913	5.977	5.981	6.070	6.114	6.119	6.163	6.221	6.303
94	5.981	5.985	6.023	6.087	6.091	6.180	6.224	6.229	6.273	6.331	6.413
96	6.091	6.095	6.133	6.197	6.201	6.290	6.334	6.339	6.383	6.441	6.523
98	6.201	6.205	6.243	6.307	6.311	6.400	6.444	6.449	6.493	6.551	6.633
100	6.311	6.315	6.353	6.417	6.421	6.510	6.554	6.559	6.603	6.661	6.743

TABLE A-1 CONTINUED

TEMP DEG C	8.30	8.31	8.32	8.33	8.34	PH	8.36	8.37	8.38	8.39	8.40
7.0	2.85	2.91	2.98	3.04	3.11	8.35	3.26	3.33	3.40	3.48	3.56
7.2	2.89	2.96	3.02	3.09	3.16	3.18	3.31	3.38	3.46	3.53	3.61
7.4	2.94	3.00	3.07	3.14	3.21	3.23	3.36	3.43	3.51	3.59	3.67
7.6	2.98	3.05	3.12	3.19	3.26	3.28	3.41	3.49	3.56	3.64	3.72
7.8	3.03	3.10	3.17	3.24	3.31	3.33	3.46	3.54	3.62	3.70	3.78
8.0	3.08	3.15	3.22	3.29	3.36	3.38	3.52	3.60	3.68	3.76	3.84
8.2	3.12	3.19	3.27	3.34	3.42	3.45	3.57	3.65	3.73	3.82	3.90
8.4	3.17	3.24	3.32	3.39	3.47	3.50	3.63	3.71	3.79	3.87	3.96
8.6	3.22	3.29	3.37	3.44	3.52	3.55	3.68	3.76	3.85	3.93	4.02
8.8	3.27	3.34	3.42	3.49	3.57	3.60	3.73	3.81	3.90	3.98	4.07
9.0	3.32	3.39	3.47	3.54	3.62	3.65	3.78	3.86	3.95	4.03	4.12
9.2	3.37	3.45	3.53	3.60	3.68	3.71	3.84	3.92	4.01	4.09	4.18
9.4	3.42	3.50	3.58	3.65	3.73	3.76	3.89	3.97	4.06	4.14	4.23
9.6	3.48	3.55	3.63	3.70	3.78	3.81	3.94	4.02	4.11	4.19	4.28
9.8	3.53	3.61	3.69	3.76	3.84	3.87	4.00	4.08	4.17	4.25	4.34
10.0	3.58	3.66	3.75	3.83	3.92	3.95	4.08	4.16	4.25	4.33	4.42
10.2	3.63	3.72	3.80	3.89	3.98	4.01	4.14	4.22	4.31	4.39	4.48
10.4	3.69	3.78	3.86	3.95	4.04	4.07	4.20	4.28	4.37	4.45	4.54
10.6	3.75	3.83	3.92	4.01	4.10	4.13	4.26	4.34	4.43	4.51	4.60
10.8	3.81	3.89	3.98	4.07	4.16	4.19	4.32	4.40	4.49	4.57	4.66
11.0	3.86	3.95	4.04	4.13	4.22	4.25	4.38	4.46	4.55	4.63	4.72
11.2	3.92	4.01	4.10	4.19	4.28	4.31	4.44	4.52	4.61	4.69	4.78
11.4	3.98	4.07	4.16	4.25	4.35	4.38	4.51	4.59	4.68	4.76	4.85
11.6	4.04	4.13	4.22	4.31	4.41	4.44	4.57	4.65	4.74	4.82	4.91
11.8	4.10	4.19	4.28	4.37	4.47	4.50	4.63	4.71	4.80	4.88	4.97
12.0	4.16	4.25	4.35	4.44	4.54	4.57	4.70	4.78	4.87	4.95	5.04
12.2	4.22	4.31	4.41	4.50	4.60	4.63	4.76	4.84	4.93	5.01	5.10
12.4	4.28	4.38	4.48	4.57	4.67	4.70	4.83	4.91	5.00	5.08	5.17
12.6	4.34	4.44	4.54	4.63	4.73	4.76	4.89	4.97	5.06	5.14	5.23
12.8	4.40	4.50	4.60	4.69	4.79	4.82	4.95	5.03	5.12	5.20	5.29
13.0	4.46	4.56	4.66	4.75	4.85	4.88	5.01	5.09	5.18	5.26	5.35
13.2	4.52	4.62	4.72	4.81	4.91	4.94	5.07	5.15	5.24	5.32	5.41
13.4	4.58	4.68	4.78	4.87	4.97	5.00	5.13	5.21	5.30	5.38	5.47
13.6	4.64	4.74	4.84	4.93	5.03	5.06	5.19	5.27	5.36	5.44	5.53
13.8	4.70	4.80	4.90	4.99	5.09	5.12	5.25	5.33	5.42	5.50	5.59
14.0	4.76	4.86	4.96	5.05	5.15	5.18	5.31	5.39	5.48	5.56	5.65

TABLE A-1 CONTINUED

TABLE PAGE 201

TEMP DEG C	8.30	8.31	8.32	8.33	8.34	PH 8.35	8.36	8.37	8.38	8.39	8.40
14.0	4.82	4.93	5.03	5.15	5.26	5.38	5.49	5.61	5.74	5.86	5.98
14.2	4.89	5.00	5.11	5.22	5.34	5.45	5.57	5.70	5.82	5.95	6.07
14.4	4.96	5.07	5.18	5.30	5.41	5.53	5.64	5.78	5.90	6.03	6.17
14.6	5.03	5.14	5.26	5.37	5.49	5.61	5.74	5.86	5.98	6.12	6.25
14.8	5.11	5.22	5.33	5.45	5.57	5.69	5.82	5.95	6.08	6.21	6.34
15.0	5.18	5.29	5.41	5.53	5.65	5.77	5.90	6.03	6.16	6.30	6.43
15.2	5.25	5.37	5.49	5.61	5.73	5.86	5.99	6.12	6.25	6.39	6.52
15.4	5.33	5.45	5.57	5.69	5.81	5.94	6.07	6.20	6.34	6.47	6.61
15.6	5.41	5.53	5.65	5.77	5.89	6.02	6.15	6.28	6.41	6.55	6.69
15.8	5.48	5.60	5.73	5.85	5.97	6.10	6.23	6.36	6.49	6.62	6.76
16.0	5.56	5.68	5.81	5.94	6.07	6.20	6.33	6.47	6.61	6.75	6.89
16.2	5.64	5.77	5.89	6.02	6.15	6.29	6.42	6.56	6.70	6.85	7.00
16.4	5.72	5.85	5.98	6.11	6.24	6.38	6.51	6.65	6.79	6.95	7.10
16.6	5.80	5.93	6.06	6.19	6.33	6.47	6.61	6.75	6.90	7.05	7.20
16.8	5.88	6.01	6.15	6.28	6.42	6.56	6.70	6.84	6.99	7.14	7.30
17.0	5.97	6.10	6.23	6.37	6.51	6.65	6.79	6.94	7.09	7.24	7.40
17.2	6.05	6.17	6.32	6.45	6.60	6.74	6.88	7.04	7.19	7.34	7.50
17.4	6.14	6.27	6.41	6.55	6.69	6.83	6.98	7.14	7.29	7.45	7.61
17.6	6.22	6.36	6.50	6.64	6.78	6.93	7.08	7.23	7.39	7.55	7.71
17.8	6.31	6.45	6.59	6.73	6.88	7.03	7.18	7.34	7.49	7.65	7.82
18.0	6.40	6.54	6.68	6.83	6.97	7.13	7.28	7.44	7.60	7.76	7.93
18.2	6.49	6.63	6.77	6.92	7.07	7.22	7.38	7.54	7.70	7.87	8.04
18.4	6.58	6.72	6.87	7.01	7.17	7.32	7.48	7.64	7.81	7.98	8.15
18.6	6.67	6.82	6.96	7.11	7.27	7.43	7.59	7.75	7.91	8.08	8.25
18.8	6.76	6.91	7.06	7.21	7.37	7.53	7.69	7.85	8.02	8.19	8.37
19.0	6.86	7.01	7.16	7.31	7.47	7.63	7.79	7.95	8.13	8.31	8.48
19.2	6.95	7.10	7.26	7.41	7.57	7.73	7.90	8.07	8.24	8.42	8.60
19.4	7.05	7.20	7.36	7.51	7.68	7.85	8.02	8.19	8.37	8.55	8.73
19.6	7.14	7.30	7.46	7.62	7.79	7.95	8.12	8.29	8.47	8.65	8.83
19.8	7.24	7.40	7.56	7.72	7.89	8.06	8.23	8.40	8.58	8.76	8.95
20.0	7.34	7.50	7.66	7.82	7.99	8.16	8.34	8.52	8.70	8.88	9.07
20.2	7.44	7.60	7.76	7.93	8.10	8.27	8.45	8.63	8.81	9.00	9.19
20.4	7.54	7.71	7.88	8.05	8.23	8.40	8.58	8.76	8.95	9.14	9.33
20.6	7.64	7.81	7.99	8.17	8.35	8.53	8.71	8.89	9.09	9.28	9.47
20.8	7.75	7.91	8.09	8.28	8.46	8.64	8.83	9.02	9.22	9.41	9.60
21.0	7.85	8.02	8.20	8.39	8.58	8.77	8.96	9.16	9.36	9.56	9.76

TABLE A-1 CONTINUED

TABLE PAGE 202

TEMP DEG C	8.30	8.31	8.32	8.33	8.34	PH 8.35	8.36	8.37	8.38	8.39	8.40
21.0	7.85	8.02	8.19	8.37	8.55	8.73	8.91	9.10	9.29	9.49	9.68
21.2	7.96	8.13	8.30	8.48	8.66	8.84	9.03	9.22	9.42	9.61	9.80
21.4	8.06	8.23	8.41	8.59	8.77	8.95	9.14	9.34	9.54	9.73	9.92
21.6	8.17	8.35	8.52	8.71	8.89	9.08	9.27	9.47	9.67	9.86	10.05
21.8	8.28	8.46	8.64	8.82	9.01	9.20	9.39	9.59	9.79	9.98	10.17
22.0	8.39	8.57	8.75	8.94	9.13	9.32	9.52	9.72	9.92	10.13	10.33
22.2	8.50	8.68	8.87	9.06	9.25	9.44	9.64	9.84	10.05	10.26	10.47
22.4	8.61	8.80	8.99	9.18	9.37	9.57	9.77	9.97	10.18	10.39	10.59
22.6	8.73	8.92	9.11	9.30	9.49	9.68	9.88	10.08	10.29	10.50	10.70
22.8	8.85	9.04	9.23	9.42	9.61	9.80	10.00	10.20	10.41	10.61	10.81
23.0	8.96	9.15	9.34	9.54	9.74	9.94	10.14	10.34	10.55	10.75	10.95
23.2	9.08	9.27	9.47	9.67	9.87	10.07	10.27	10.47	10.68	10.88	11.08
23.4	9.20	9.39	9.59	9.79	9.99	10.19	10.39	10.59	10.80	11.00	11.20
23.6	9.32	9.51	9.71	9.91	10.11	10.31	10.51	10.71	10.92	11.12	11.32
23.8	9.44	9.64	9.84	10.04	10.24	10.44	10.64	10.84	11.05	11.25	11.45
24.0	9.56	9.76	9.97	10.18	10.38	10.58	10.78	10.98	11.19	11.39	11.59
24.2	9.68	9.89	10.10	10.31	10.52	10.72	10.93	11.13	11.34	11.55	11.75
24.4	9.81	10.02	10.23	10.44	10.65	10.85	11.06	11.27	11.48	11.68	11.89
24.6	9.94	10.15	10.36	10.57	10.78	10.98	11.19	11.40	11.61	11.82	12.03
24.8	10.07	10.28	10.49	10.70	10.91	11.12	11.33	11.54	11.75	11.96	12.17
25.0	10.20	10.41	10.62	10.83	11.04	11.25	11.46	11.67	11.88	12.09	12.30
25.2	10.33	10.54	10.75	10.96	11.17	11.38	11.59	11.80	12.01	12.22	12.43
25.4	10.46	10.67	10.88	11.09	11.30	11.51	11.72	11.93	12.14	12.35	12.56
25.6	10.59	10.80	11.01	11.22	11.43	11.64	11.85	12.06	12.27	12.48	12.69
25.8	10.72	10.93	11.14	11.35	11.56	11.77	11.98	12.19	12.40	12.61	12.82
26.0	10.85	11.06	11.27	11.48	11.69	11.90	12.11	12.32	12.53	12.74	12.95
26.2	10.98	11.19	11.40	11.61	11.82	12.03	12.24	12.45	12.66	12.87	13.08
26.4	11.11	11.32	11.53	11.74	11.95	12.16	12.37	12.58	12.79	13.00	13.21
26.6	11.24	11.45	11.66	11.87	12.08	12.29	12.50	12.71	12.92	13.13	13.34
26.8	11.37	11.58	11.79	12.00	12.21	12.42	12.63	12.84	13.05	13.26	13.47
27.0	11.50	11.71	11.92	12.13	12.34	12.55	12.76	12.97	13.18	13.39	13.60
27.2	11.63	11.84	12.05	12.26	12.47	12.68	12.89	13.10	13.31	13.52	13.73
27.4	11.76	11.97	12.18	12.39	12.60	12.81	13.02	13.23	13.44	13.65	13.86
27.6	11.89	12.10	12.31	12.52	12.73	12.94	13.15	13.36	13.57	13.78	13.99
27.8	12.02	12.23	12.44	12.65	12.86	13.07	13.28	13.49	13.70	13.91	14.12

TABLE A-1 CONTINUED

TEMP DEG C	8.30	8.31	8.32	8.33	8.34	PH 8.35	8.36	8.37	8.38	8.39	8.40
28.0	12.3	12.5	12.8	13.0	13.3	13.6	13.8	14.1	14.4	14.7	15.0
28.2	12.4	12.7	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4
28.4	12.6	12.9	13.2	13.5	13.8	14.1	14.4	14.7	15.0	15.3	15.6
28.6	12.7	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7
28.8	12.9	13.1	13.4	13.7	14.0	14.3	14.6	14.9	15.2	15.5	15.8
29.0	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0
29.2	13.1	13.4	13.7	14.0	14.3	14.6	14.9	15.2	15.5	15.8	16.1
29.4	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.3
29.6	13.5	13.8	14.1	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.5
29.8	13.7	14.0	14.3	14.6	14.9	15.2	15.5	15.8	16.1	16.4	16.7
30.0	14.0	14.3	14.6	14.9	15.2	15.5	15.8	16.1	16.4	16.7	17.0
30.2	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2
30.4	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4
30.6	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5
30.8	14.7	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.7
31.0	14.9	15.2	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9
31.2	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1
31.4	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3
31.6	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5
31.8	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7
32.0	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9
32.2	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1
32.4	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3
32.6	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5
32.8	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.7
33.0	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.6	19.9
33.2	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.8	20.1
33.4	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.7	20.0	20.3
33.6	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.2	20.5
33.8	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.7
34.0	17.9	18.2	18.5	18.8	19.1	19.4	19.7	20.0	20.3	20.6	20.9
34.2	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.2	20.5	20.8	21.1
34.4	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.7	21.0	21.3
34.6	18.5	18.8	19.1	19.4	19.7	20.0	20.3	20.6	20.9	21.2	21.5
34.8	18.7	19.0	19.3	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.7
35.0	18.9	19.2	19.5	19.8	20.1	20.4	20.7	21.0	21.3	21.6	21.9

TABLE A-1 CONTINUED

TEMP DEG C	8.30	8.31	8.32	8.33	8.34	PH 8.35	8.36	8.37	8.38	8.39	8.40
35.0	18.4	18.7	19.1	19.4	19.8	20.1	20.5	20.9	21.3	21.7	22.1
35.2	18.6	18.9	19.3	19.6	20.0	20.4	20.8	21.2	21.6	22.0	22.4
35.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.8	22.2	22.6
35.6	19.0	19.3	19.7	20.0	20.4	20.8	21.2	21.6	22.0	22.4	22.8
35.8	19.2	19.5	19.9	20.2	20.6	21.0	21.4	21.8	22.2	22.6	23.0
36.0	19.4	19.7	20.1	20.4	20.8	21.2	21.6	22.0	22.4	22.8	23.2
36.2	19.6	19.9	20.3	20.6	21.0	21.4	21.8	22.2	22.6	23.0	23.4
36.4	19.8	20.1	20.5	20.8	21.2	21.6	22.0	22.4	22.8	23.2	23.6
36.6	20.0	20.3	20.7	21.0	21.4	21.8	22.2	22.6	23.0	23.4	23.8
36.8	20.2	20.5	20.9	21.2	21.6	22.0	22.4	22.8	23.2	23.6	24.0
37.0	20.4	20.7	21.1	21.4	21.8	22.2	22.6	23.0	23.4	23.8	24.2
37.2	20.6	20.9	21.3	21.6	22.0	22.4	22.8	23.2	23.6	24.0	24.4
37.4	20.8	21.1	21.5	21.8	22.2	22.6	23.0	23.4	23.8	24.2	24.6
37.6	21.0	21.3	21.7	22.0	22.4	22.8	23.2	23.6	24.0	24.4	24.8
37.8	21.2	21.5	21.9	22.2	22.6	23.0	23.4	23.8	24.2	24.6	25.0
38.0	21.4	21.7	22.1	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.2
38.2	21.6	21.9	22.3	22.6	23.0	23.4	23.8	24.2	24.6	25.0	25.4
38.4	21.8	22.1	22.5	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.6
38.6	22.0	22.3	22.7	23.0	23.4	23.8	24.2	24.6	25.0	25.4	25.8
38.8	22.2	22.5	22.9	23.2	23.6	24.0	24.4	24.8	25.2	25.6	26.0
39.0	22.4	22.7	23.1	23.4	23.8	24.2	24.6	25.0	25.4	25.8	26.2
39.2	22.6	22.9	23.3	23.6	24.0	24.4	24.8	25.2	25.6	26.0	26.4
39.4	22.8	23.1	23.5	23.8	24.2	24.6	25.0	25.4	25.8	26.2	26.6
39.6	23.0	23.3	23.7	24.0	24.4	24.8	25.2	25.6	26.0	26.4	26.8
39.8	23.2	23.5	23.9	24.2	24.6	25.0	25.4	25.8	26.2	26.6	27.0
40.0	23.4	23.7	24.1	24.4	24.8	25.2	25.6	26.0	26.4	26.8	27.2

TABLE A-1 CONTINUED

TABLE PAGE 205

TEMP DEG C	8.40	8.41	8.42	8.43	8.44	PH 8.45	8.46	8.47	8.48	8.49	8.50
0	2.03	2.08	2.13	2.18	2.23	2.28	2.33	2.38	2.44	2.49	2.55
1	2.07	2.12	2.16	2.21	2.26	2.31	2.37	2.42	2.48	2.53	2.59
2	2.10	2.15	2.20	2.25	2.30	2.35	2.41	2.46	2.52	2.57	2.63
3	2.14	2.19	2.24	2.29	2.34	2.39	2.45	2.50	2.56	2.61	2.67
4	2.17	2.22	2.27	2.32	2.37	2.42	2.48	2.53	2.59	2.64	2.70
5	2.21	2.26	2.31	2.36	2.41	2.46	2.52	2.57	2.63	2.68	2.74
6	2.25	2.30	2.35	2.40	2.45	2.50	2.56	2.61	2.67	2.72	2.78
7	2.28	2.33	2.38	2.43	2.48	2.53	2.59	2.64	2.70	2.75	2.81
8	2.32	2.37	2.42	2.47	2.52	2.57	2.63	2.68	2.74	2.79	2.85
9	2.35	2.40	2.45	2.50	2.55	2.60	2.66	2.71	2.77	2.82	2.88
10	2.39	2.44	2.49	2.54	2.59	2.64	2.70	2.75	2.81	2.86	2.92
11	2.42	2.47	2.52	2.57	2.62	2.67	2.73	2.78	2.84	2.89	2.95
12	2.46	2.51	2.56	2.61	2.66	2.71	2.77	2.82	2.88	2.93	2.99
13	2.49	2.54	2.59	2.64	2.69	2.74	2.80	2.85	2.91	2.96	3.02
14	2.53	2.58	2.63	2.68	2.73	2.78	2.84	2.89	2.95	3.00	3.06
15	2.56	2.61	2.66	2.71	2.76	2.81	2.87	2.92	2.98	3.03	3.09
16	2.60	2.65	2.70	2.75	2.80	2.85	2.91	2.96	3.02	3.07	3.13
17	2.63	2.68	2.73	2.78	2.83	2.88	2.94	2.99	3.05	3.10	3.16
18	2.67	2.72	2.77	2.82	2.87	2.92	2.98	3.03	3.09	3.14	3.20
19	2.70	2.75	2.80	2.85	2.90	2.95	3.01	3.06	3.12	3.17	3.23
20	2.74	2.79	2.84	2.89	2.94	2.99	3.05	3.10	3.16	3.21	3.27
21	2.77	2.82	2.87	2.92	2.97	3.02	3.08	3.13	3.19	3.24	3.30
22	2.81	2.86	2.91	2.96	3.01	3.06	3.12	3.17	3.23	3.28	3.34
23	2.84	2.89	2.94	2.99	3.04	3.09	3.15	3.20	3.26	3.31	3.37
24	2.88	2.93	2.98	3.03	3.08	3.13	3.19	3.24	3.30	3.35	3.41
25	2.91	2.96	3.01	3.06	3.11	3.16	3.22	3.27	3.33	3.38	3.44
26	2.95	3.00	3.05	3.10	3.15	3.20	3.26	3.31	3.37	3.42	3.48
27	2.98	3.03	3.08	3.13	3.18	3.23	3.29	3.34	3.40	3.45	3.51
28	3.02	3.07	3.12	3.17	3.22	3.27	3.33	3.38	3.44	3.49	3.55
29	3.05	3.10	3.15	3.20	3.25	3.30	3.36	3.41	3.47	3.52	3.58
30	3.09	3.14	3.19	3.24	3.29	3.34	3.40	3.45	3.51	3.56	3.62
31	3.12	3.17	3.22	3.27	3.32	3.37	3.43	3.48	3.54	3.59	3.65
32	3.16	3.21	3.26	3.31	3.36	3.41	3.47	3.52	3.58	3.63	3.69
33	3.19	3.24	3.29	3.34	3.39	3.44	3.50	3.55	3.61	3.66	3.72
34	3.23	3.28	3.33	3.38	3.43	3.48	3.54	3.59	3.65	3.70	3.76
35	3.26	3.31	3.36	3.41	3.46	3.51	3.57	3.62	3.68	3.73	3.79
36	3.30	3.35	3.40	3.45	3.50	3.55	3.61	3.66	3.72	3.77	3.83
37	3.33	3.38	3.43	3.48	3.53	3.58	3.64	3.69	3.75	3.80	3.86
38	3.37	3.42	3.47	3.52	3.57	3.62	3.68	3.73	3.79	3.84	3.90
39	3.40	3.45	3.50	3.55	3.60	3.65	3.71	3.76	3.82	3.87	3.93
40	3.44	3.49	3.54	3.59	3.64	3.69	3.75	3.80	3.86	3.91	3.97
41	3.47	3.52	3.57	3.62	3.67	3.72	3.78	3.83	3.89	3.94	4.00
42	3.51	3.56	3.61	3.66	3.71	3.76	3.82	3.87	3.93	3.98	4.04
43	3.54	3.59	3.64	3.69	3.74	3.79	3.85	3.90	3.96	4.01	4.07
44	3.58	3.63	3.68	3.73	3.78	3.83	3.89	3.94	4.00	4.05	4.11
45	3.61	3.66	3.71	3.76	3.81	3.86	3.92	3.97	4.03	4.08	4.14
46	3.65	3.70	3.75	3.80	3.85	3.90	3.96	4.01	4.07	4.12	4.18
47	3.68	3.73	3.78	3.83	3.88	3.93	3.99	4.04	4.10	4.15	4.21
48	3.72	3.77	3.82	3.87	3.92	3.97	4.03	4.08	4.14	4.19	4.25
49	3.75	3.80	3.85	3.90	3.95	4.00	4.06	4.11	4.17	4.22	4.28
50	3.79	3.84	3.89	3.94	3.99	4.04	4.10	4.15	4.21	4.26	4.32

TABLE A-1 CONTINUED

TEMP DEG C	8.40	8.41	8.42	8.43	8.44	PH 8.45	8.46	8.47	8.48	8.49	8.50
7.0	3.56	3.64	3.72	3.80	3.89	3.98	4.06	4.12	4.23	4.34	4.44
7.2	3.61	3.69	3.78	3.86	3.95	4.04	4.13	4.18	4.31	4.41	4.51
7.4	3.67	3.75	3.84	3.92	4.01	4.10	4.19	4.25	4.39	4.49	4.59
7.6	3.73	3.81	3.90	3.98	4.07	4.16	4.25	4.32	4.47	4.57	4.67
7.8	3.78	3.87	3.96	4.04	4.13	4.22	4.31	4.38	4.54	4.64	4.73
8.0	3.84	3.93	4.02	4.11	4.20	4.29	4.38	4.46	4.63	4.73	4.82
8.2	3.90	3.99	4.08	4.17	4.26	4.36	4.45	4.53	4.71	4.81	4.90
8.4	3.96	4.05	4.14	4.23	4.33	4.42	4.51	4.59	4.77	4.87	4.96
8.6	4.02	4.11	4.20	4.29	4.38	4.48	4.57	4.65	4.84	4.94	5.03
8.8	4.08	4.17	4.26	4.35	4.44	4.54	4.63	4.71	4.90	5.00	5.09
9.0	4.15	4.24	4.33	4.42	4.51	4.61	4.70	4.78	4.97	5.07	5.16
9.2	4.21	4.30	4.39	4.48	4.57	4.67	4.76	4.84	5.03	5.13	5.22
9.4	4.27	4.36	4.45	4.54	4.63	4.73	4.82	4.90	5.09	5.19	5.28
9.6	4.34	4.43	4.52	4.61	4.70	4.80	4.89	4.97	5.16	5.26	5.35
9.8	4.40	4.49	4.58	4.67	4.76	4.86	4.95	5.03	5.22	5.32	5.41
10.0	4.47	4.56	4.65	4.74	4.83	4.93	5.02	5.10	5.29	5.39	5.48
10.2	4.54	4.63	4.72	4.81	4.90	5.00	5.09	5.17	5.36	5.46	5.55
10.4	4.61	4.70	4.79	4.88	4.97	5.07	5.16	5.24	5.43	5.53	5.62
10.6	4.67	4.76	4.85	4.94	5.03	5.13	5.22	5.30	5.49	5.59	5.68
10.8	4.74	4.83	4.92	5.01	5.10	5.20	5.29	5.37	5.56	5.66	5.75
11.0	4.82	4.91	5.00	5.09	5.18	5.28	5.37	5.45	5.64	5.74	5.83
11.2	4.89	4.98	5.07	5.16	5.25	5.35	5.44	5.52	5.71	5.81	5.90
11.4	4.96	5.05	5.14	5.23	5.32	5.42	5.51	5.59	5.78	5.88	5.97
11.6	5.03	5.12	5.21	5.30	5.39	5.49	5.58	5.66	5.85	5.95	6.04
11.8	5.10	5.19	5.28	5.37	5.46	5.56	5.65	5.73	5.92	6.02	6.11
12.0	5.18	5.27	5.36	5.45	5.54	5.64	5.73	5.81	6.00	6.10	6.19
12.2	5.26	5.35	5.44	5.53	5.62	5.72	5.81	5.89	6.08	6.18	6.27
12.4	5.34	5.43	5.52	5.61	5.70	5.80	5.89	5.97	6.16	6.26	6.35
12.6	5.42	5.51	5.60	5.69	5.78	5.88	5.97	6.05	6.24	6.34	6.43
12.8	5.50	5.59	5.68	5.77	5.86	5.96	6.05	6.13	6.32	6.42	6.51
13.0	5.58	5.67	5.76	5.85	5.94	6.04	6.13	6.21	6.40	6.50	6.59
13.2	5.66	5.75	5.84	5.93	6.02	6.12	6.21	6.29	6.48	6.58	6.67
13.4	5.74	5.83	5.92	6.01	6.10	6.20	6.29	6.37	6.56	6.66	6.75
13.6	5.82	5.91	6.00	6.09	6.18	6.28	6.37	6.45	6.64	6.74	6.83
13.8	5.90	5.99	6.08	6.17	6.26	6.36	6.45	6.53	6.72	6.82	6.91
14.0	5.98	6.07	6.16	6.25	6.34	6.44	6.53	6.61	6.80	6.90	6.99

TABLE A-1 CONTINUED

TABLE PAGE 207

TEMP DEG C	8.40	8.41	8.42	8.43	8.44	PH 8.45	8.46	8.47	8.48	8.49	8.50
14.0	5.99	6.12	6.26	6.39	6.53	6.67	6.82	6.97	7.12	7.27	7.43
14.2	6.08	6.21	6.35	6.48	6.62	6.77	6.92	7.07	7.22	7.37	7.53
14.4	6.17	6.30	6.44	6.57	6.72	6.87	7.01	7.16	7.31	7.46	7.62
14.6	6.25	6.39	6.53	6.67	6.81	6.96	7.11	7.25	7.40	7.55	7.70
15.0	6.34	6.48	6.62	6.77	6.91	7.06	7.21	7.36	7.51	7.66	7.81
15.2	6.43	6.57	6.72	6.86	7.01	7.16	7.31	7.46	7.61	7.76	7.91
15.4	6.53	6.67	6.81	6.96	7.11	7.26	7.41	7.56	7.71	7.86	8.01
15.6	6.62	6.76	6.90	7.05	7.20	7.35	7.50	7.65	7.80	7.95	8.10
15.8	6.71	6.86	7.01	7.16	7.31	7.46	7.61	7.76	7.91	8.06	8.21
16.0	6.81	6.95	7.11	7.26	7.41	7.56	7.71	7.86	8.01	8.16	8.31
16.2	6.90	7.05	7.21	7.36	7.51	7.66	7.81	7.96	8.11	8.26	8.41
16.4	7.00	7.15	7.31	7.46	7.62	7.77	7.92	8.07	8.22	8.37	8.52
16.6	7.10	7.25	7.41	7.56	7.72	7.87	8.02	8.17	8.32	8.47	8.62
16.8	7.20	7.35	7.51	7.66	7.82	7.97	8.12	8.27	8.42	8.57	8.72
17.0	7.30	7.46	7.62	7.78	7.94	8.09	8.24	8.40	8.55	8.70	8.85
17.2	7.40	7.56	7.72	7.88	8.04	8.19	8.34	8.50	8.65	8.80	8.95
17.4	7.50	7.66	7.83	7.99	8.15	8.31	8.47	8.63	8.79	8.95	9.11
17.6	7.61	7.77	7.94	8.11	8.27	8.43	8.59	8.75	8.91	9.07	9.23
17.8	7.71	7.88	8.05	8.23	8.39	8.55	8.71	8.87	9.03	9.19	9.35
18.0	7.82	7.99	8.16	8.34	8.51	8.68	8.84	9.01	9.17	9.34	9.50
18.2	7.93	8.10	8.27	8.45	8.63	8.81	8.98	9.15	9.32	9.49	9.66
18.4	8.04	8.21	8.38	8.56	8.74	8.93	9.10	9.28	9.45	9.63	9.80
18.6	8.15	8.32	8.50	8.68	8.86	9.05	9.22	9.40	9.57	9.75	9.92
18.8	8.26	8.43	8.61	8.79	8.97	9.15	9.32	9.50	9.67	9.85	10.02
19.0	8.37	8.55	8.73	8.91	9.09	9.27	9.44	9.62	9.79	9.97	10.14
19.2	8.48	8.66	8.85	9.03	9.21	9.39	9.56	9.74	9.91	10.09	10.26
19.4	8.60	8.78	8.97	9.16	9.35	9.53	9.71	9.89	10.07	10.25	10.43
19.6	8.71	8.90	9.09	9.28	9.47	9.65	9.83	10.01	10.19	10.37	10.55
19.8	8.83	9.02	9.21	9.40	9.59	9.78	9.96	10.14	10.32	10.50	10.68
20.0	8.95	9.14	9.33	9.52	9.71	9.90	10.08	10.26	10.44	10.62	10.80
20.2	9.07	9.26	9.45	9.64	9.83	10.02	10.20	10.38	10.56	10.74	10.92
20.4	9.19	9.38	9.58	9.78	9.97	10.16	10.34	10.52	10.70	10.88	11.06
20.6	9.31	9.51	9.71	9.91	10.10	10.29	10.47	10.65	10.83	11.01	11.19
20.8	9.43	9.63	9.83	10.03	10.22	10.41	10.59	10.77	10.95	11.13	11.31
21.0	9.56	9.76	9.97	10.16	10.35	10.54	10.72	10.90	11.08	11.26	11.44

TABLE A-1 CONTINUED

TEMP DEG C	8.40	8.41	8.42	8.43	8.44	PH 8.45	8.46	8.47	8.48	8.49	8.50
21.0	9.68	9.89	10.23	10.34	10.56	10.78	10.97	11.34	11.57	11.81	12.05
21.2	9.82	10.03	10.37	10.57	10.80	11.02	11.24	11.61	11.84	12.08	12.31
21.4	9.95	10.16	10.50	10.70	10.93	11.15	11.37	11.74	11.97	12.21	12.44
21.6	10.12	10.33	10.67	10.87	11.10	11.32	11.54	11.91	12.14	12.38	12.61
21.8	10.23	10.46	10.80	11.00	11.23	11.45	11.67	12.04	12.27	12.51	12.74
22.0	10.5	10.78	11.12	11.32	11.55	11.77	12.00	12.37	12.60	12.84	13.07
22.2	10.67	10.90	11.24	11.44	11.67	11.89	12.12	12.49	12.72	12.96	13.19
22.4	10.79	11.01	11.35	11.55	11.78	12.00	12.23	12.60	12.83	13.07	13.30
22.6	10.90	11.13	11.47	11.67	11.90	12.12	12.35	12.72	12.95	13.19	13.42
22.8	11.11	11.34	11.68	11.88	12.11	12.33	12.56	12.93	13.16	13.40	13.63
23.0	11.35	11.57	11.91	12.11	12.34	12.56	12.79	13.16	13.39	13.63	13.86
23.2	11.56	11.78	12.12	12.32	12.55	12.77	13.00	13.37	13.60	13.84	14.07
23.4	11.77	11.99	12.33	12.53	12.76	12.98	13.21	13.58	13.81	14.05	14.28
23.6	12.00	12.22	12.56	12.76	12.99	13.21	13.44	13.81	14.04	14.28	14.51
23.8	12.23	12.45	12.79	12.99	13.22	13.44	13.67	14.04	14.27	14.51	14.74
24.0	12.45	12.68	13.02	13.22	13.45	13.67	13.90	14.27	14.50	14.74	14.97
24.2	12.68	12.91	13.25	13.45	13.68	13.90	14.13	14.50	14.73	14.97	15.20
24.4	12.91	13.14	13.48	13.68	13.91	14.13	14.36	14.73	14.96	15.20	15.43
24.6	13.13	13.36	13.70	13.90	14.13	14.35	14.58	14.95	15.18	15.42	15.65
24.8	13.36	13.59	13.93	14.13	14.36	14.58	14.81	15.18	15.41	15.65	15.88
25.0	13.59	13.82	14.16	14.36	14.59	14.81	15.04	15.41	15.64	15.88	16.11
25.2	13.82	14.05	14.39	14.59	14.82	15.04	15.27	15.64	15.87	16.11	16.34
25.4	14.05	14.28	14.62	14.82	15.05	15.27	15.50	15.87	16.10	16.34	16.57
25.6	14.28	14.51	14.85	15.05	15.28	15.50	15.73	16.10	16.33	16.57	16.80
25.8	14.51	14.74	15.08	15.28	15.51	15.73	15.96	16.33	16.56	16.80	17.03
26.0	14.74	14.97	15.31	15.51	15.74	15.96	16.19	16.56	16.79	17.03	17.26
26.2	14.97	15.20	15.54	15.74	15.97	16.19	16.42	16.79	17.02	17.26	17.49
26.4	15.20	15.43	15.77	15.97	16.20	16.42	16.65	17.02	17.25	17.49	17.72
26.6	15.43	15.66	16.00	16.20	16.43	16.65	16.88	17.25	17.48	17.72	17.95
26.8	15.66	15.89	16.23	16.43	16.66	16.88	17.11	17.48	17.71	17.95	18.18
27.0	15.89	16.12	16.46	16.66	16.89	17.11	17.34	17.71	17.94	18.18	18.41
27.2	16.12	16.35	16.69	16.89	17.12	17.34	17.57	17.94	18.17	18.41	18.64
27.4	16.35	16.58	16.92	17.12	17.35	17.57	17.80	18.17	18.40	18.64	18.87
27.6	16.58	16.81	17.15	17.35	17.58	17.80	18.03	18.40	18.63	18.87	19.10
27.8	16.81	17.04	17.38	17.58	17.81	18.03	18.26	18.63	18.86	19.10	19.33
28.0	17.04	17.27	17.61	17.81	18.04	18.26	18.49	18.86	19.09	19.33	19.56

TEMP DEG C	8.40	8.41	8.42	8.43	8.44	PH 8.45	8.46	8.47	8.48	8.49	8.50
28.0	15.0	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.5	17.8	18.2
28.2	15.2	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.7	18.0	18.4
28.4	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.8	18.1	18.5
28.6	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	18.0	18.3	18.7
28.8	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.2	18.5	18.9
29.0	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.4	18.7	19.1
29.2	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.6	18.9	19.3
29.4	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.8	19.1	19.5
29.6	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.9	19.2	19.6
29.8	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.1	19.4	19.8
30.0	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.3	19.6	20.0
30.2	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.5	19.8	20.2
30.4	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.7	20.0	20.4
30.6	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.9	20.2	20.6
30.8	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.7	20.1	20.4	20.8
31.0	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.8	20.2	20.5	20.9
31.2	18.0	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.5	20.8	21.2
31.4	18.2	18.5	18.8	19.1	19.4	19.7	20.0	20.3	20.7	21.0	21.4
31.6	18.4	18.7	19.0	19.3	19.6	19.9	20.2	20.5	20.9	21.2	21.6
31.8	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.7	21.1	21.4	21.8
32.0	18.8	19.1	19.4	19.7	20.0	20.3	20.6	20.9	21.3	21.6	22.0
32.2	19.0	19.3	19.6	19.9	20.2	20.5	20.8	21.1	21.5	21.8	22.2
32.4	19.2	19.5	19.8	20.1	20.4	20.7	21.0	21.3	21.7	22.0	22.4
32.6	19.4	19.7	20.0	20.3	20.6	20.9	21.2	21.5	21.9	22.2	22.6
32.8	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.7	22.1	22.4	22.8
33.0	19.8	20.1	20.4	20.7	21.0	21.3	21.6	21.9	22.3	22.6	23.0
33.2	20.0	20.3	20.6	20.9	21.2	21.5	21.8	22.1	22.5	22.8	23.2
33.4	20.2	20.5	20.8	21.1	21.4	21.7	22.0	22.3	22.7	23.0	23.4
33.6	20.4	20.7	21.0	21.3	21.6	21.9	22.2	22.5	22.9	23.2	23.6
33.8	20.6	20.9	21.2	21.5	21.8	22.1	22.4	22.7	23.1	23.4	23.8
34.0	20.8	21.1	21.4	21.7	22.0	22.3	22.6	22.9	23.3	23.6	24.0
34.2	21.0	21.3	21.6	21.9	22.2	22.5	22.8	23.1	23.5	23.8	24.2
34.4	21.2	21.5	21.8	22.1	22.4	22.7	23.0	23.3	23.7	24.0	24.4
34.6	21.4	21.7	22.0	22.3	22.6	22.9	23.2	23.5	23.9	24.2	24.6
34.8	21.6	21.9	22.2	22.5	22.8	23.1	23.4	23.7	24.1	24.4	24.8
35.0	21.8	22.1	22.4	22.7	23.0	23.3	23.6	23.9	24.3	24.6	25.0

TABLE A-1 CONTINUED

TABLE PAGE 210

TEMP DEG C	8.40	8.41	8.42	8.43	8.44	PH 8.45	8.46	8.47	8.48	8.49	8.50
35.0	22.1	22.5	22.9	23.3	23.7	24.1	24.5	25.0	25.4	25.8	26.3
35.2	22.3	22.7	23.1	23.5	23.9	24.3	24.7	25.2	25.6	26.0	26.5
35.4	22.5	22.9	23.3	23.7	24.1	24.5	24.9	25.4	25.8	26.2	26.7
35.6	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.7	26.1	26.5	27.0
35.8	23.0	23.4	23.8	24.2	24.6	25.0	25.4	25.9	26.3	26.7	27.2
36.0	23.2	23.6	24.0	24.4	24.8	25.2	25.6	26.1	26.5	26.9	27.4
36.2	23.5	23.9	24.3	24.7	25.1	25.5	25.9	26.4	26.8	27.2	27.7
36.4	23.7	24.1	24.5	24.9	25.3	25.7	26.1	26.6	27.0	27.4	27.9
36.6	23.9	24.3	24.7	25.1	25.5	25.9	26.3	26.8	27.2	27.6	28.1
36.8	24.2	24.6	25.0	25.4	25.8	26.2	26.6	27.1	27.5	27.9	28.4
37.0	24.4	24.8	25.2	25.6	26.0	26.4	26.8	27.3	27.7	28.1	28.6
37.2	24.6	25.0	25.4	25.8	26.2	26.6	27.0	27.5	27.9	28.3	28.8
37.4	24.9	25.3	25.7	26.1	26.5	26.9	27.3	27.8	28.2	28.6	29.1
37.6	25.1	25.5	25.9	26.3	26.7	27.1	27.5	28.0	28.4	28.8	29.3
37.8	25.4	25.8	26.2	26.6	27.0	27.4	27.8	28.3	28.7	29.1	29.6
38.0	25.6	26.0	26.4	26.8	27.2	27.6	28.0	28.5	28.9	29.3	29.8
38.2	25.9	26.3	26.7	27.1	27.5	27.9	28.3	28.8	29.2	29.6	30.1
38.4	26.1	26.5	26.9	27.3	27.7	28.1	28.5	29.0	29.4	29.8	30.3
38.6	26.4	26.8	27.2	27.6	28.0	28.4	28.8	29.3	29.7	30.1	30.6
38.8	26.6	27.0	27.4	27.8	28.2	28.6	29.0	29.5	29.9	30.3	30.8
39.0	26.9	27.3	27.7	28.1	28.5	28.9	29.3	29.8	30.2	30.6	31.1
39.2	27.1	27.5	27.9	28.3	28.7	29.1	29.5	30.0	30.4	30.8	31.3
39.4	27.4	27.8	28.2	28.6	29.0	29.4	29.8	30.3	30.7	31.1	31.6
39.6	27.6	28.0	28.4	28.8	29.2	29.6	30.0	30.5	30.9	31.3	31.8
39.8	27.9	28.3	28.7	29.1	29.5	29.9	30.3	30.8	31.2	31.6	32.1
40.0	28.2	28.6	29.0	29.4	29.8	30.2	30.6	31.1	31.5	31.9	32.4

TEMP DEG C	8.50	8.51	8.52	8.53	8.54	PH	8.56	8.57	8.58	8.59	8.60
0	2.559	2.61	2.66	2.72	2.79	8.55	2.91	2.98	3.05	3.12	3.19
1	2.568	2.65	2.71	2.77	2.83	8.55	2.96	3.03	3.10	3.17	3.24
2	2.576	2.67	2.73	2.79	2.85	8.55	3.00	3.08	3.15	3.22	3.29
3	2.584	2.69	2.75	2.81	2.87	8.55	3.06	3.13	3.20	3.27	3.34
4	2.592	2.70	2.76	2.82	2.88	8.55	3.11	3.18	3.25	3.32	3.39
5	2.600	2.71	2.77	2.83	2.89	8.55	3.16	3.23	3.30	3.37	3.44
6	2.608	2.72	2.78	2.84	2.90	8.55	3.21	3.28	3.35	3.42	3.49
7	2.616	2.73	2.79	2.85	2.91	8.55	3.26	3.33	3.40	3.47	3.54
8	2.624	2.74	2.80	2.86	2.92	8.55	3.31	3.38	3.45	3.52	3.59
9	2.632	2.75	2.81	2.87	2.93	8.55	3.36	3.43	3.50	3.57	3.64
10	2.640	2.76	2.82	2.88	2.94	8.55	3.41	3.48	3.55	3.62	3.69
11	2.648	2.77	2.83	2.89	2.95	8.55	3.46	3.53	3.60	3.67	3.74
12	2.656	2.78	2.84	2.90	2.96	8.55	3.51	3.58	3.65	3.72	3.79
13	2.664	2.79	2.85	2.91	2.97	8.55	3.56	3.63	3.70	3.77	3.84
14	2.672	2.80	2.86	2.92	2.98	8.55	3.61	3.68	3.75	3.82	3.89
15	2.680	2.81	2.87	2.93	2.99	8.55	3.66	3.73	3.80	3.87	3.94
16	2.688	2.82	2.88	2.94	3.00	8.55	3.71	3.78	3.85	3.92	3.99
17	2.696	2.83	2.89	2.95	3.01	8.55	3.76	3.83	3.90	3.97	4.04
18	2.704	2.84	2.90	2.96	3.02	8.55	3.81	3.88	3.95	4.02	4.09
19	2.712	2.85	2.91	2.97	3.03	8.55	3.86	3.93	4.00	4.07	4.14
20	2.720	2.86	2.92	2.98	3.04	8.55	3.91	3.98	4.05	4.12	4.19
21	2.728	2.87	2.93	2.99	3.05	8.55	3.96	4.03	4.10	4.17	4.24
22	2.736	2.88	2.94	3.00	3.06	8.55	4.01	4.08	4.15	4.22	4.29
23	2.744	2.89	2.95	3.01	3.07	8.55	4.06	4.13	4.20	4.27	4.34
24	2.752	2.90	2.96	3.02	3.08	8.55	4.11	4.18	4.25	4.32	4.39
25	2.760	2.91	2.97	3.03	3.09	8.55	4.16	4.23	4.30	4.37	4.44
26	2.768	2.92	2.98	3.04	3.10	8.55	4.21	4.28	4.35	4.42	4.49
27	2.776	2.93	2.99	3.05	3.11	8.55	4.26	4.33	4.40	4.47	4.54
28	2.784	2.94	3.00	3.06	3.12	8.55	4.31	4.38	4.45	4.52	4.59
29	2.792	2.95	3.01	3.07	3.13	8.55	4.36	4.43	4.50	4.57	4.64
30	2.800	2.96	3.02	3.08	3.14	8.55	4.41	4.48	4.55	4.62	4.69
31	2.808	2.97	3.03	3.09	3.15	8.55	4.46	4.53	4.60	4.67	4.74
32	2.816	2.98	3.04	3.10	3.16	8.55	4.51	4.58	4.65	4.72	4.79
33	2.824	2.99	3.05	3.11	3.17	8.55	4.56	4.63	4.70	4.77	4.84
34	2.832	3.00	3.06	3.12	3.18	8.55	4.61	4.68	4.75	4.82	4.89
35	2.840	3.01	3.07	3.13	3.19	8.55	4.66	4.73	4.80	4.87	4.94
36	2.848	3.02	3.08	3.14	3.20	8.55	4.71	4.78	4.85	4.92	4.99
37	2.856	3.03	3.09	3.15	3.21	8.55	4.76	4.83	4.90	4.97	5.04
38	2.864	3.04	3.10	3.16	3.22	8.55	4.81	4.88	4.95	5.02	5.09
39	2.872	3.05	3.11	3.17	3.23	8.55	4.86	4.93	5.00	5.07	5.14
40	2.880	3.06	3.12	3.18	3.24	8.55	4.91	4.98	5.05	5.12	5.19
41	2.888	3.07	3.13	3.19	3.25	8.55	4.96	5.03	5.10	5.17	5.24
42	2.896	3.08	3.14	3.20	3.26	8.55	5.01	5.08	5.15	5.22	5.29
43	2.904	3.09	3.15	3.21	3.27	8.55	5.06	5.13	5.20	5.27	5.34
44	2.912	3.10	3.16	3.22	3.28	8.55	5.11	5.18	5.25	5.32	5.39
45	2.920	3.11	3.17	3.23	3.29	8.55	5.16	5.23	5.30	5.37	5.44
46	2.928	3.12	3.18	3.24	3.30	8.55	5.21	5.28	5.35	5.42	5.49
47	2.936	3.13	3.19	3.25	3.31	8.55	5.26	5.33	5.40	5.47	5.54
48	2.944	3.14	3.20	3.26	3.32	8.55	5.31	5.38	5.45	5.52	5.59
49	2.952	3.15	3.21	3.27	3.33	8.55	5.36	5.43	5.50	5.57	5.64
50	2.960	3.16	3.22	3.28	3.34	8.55	5.41	5.48	5.55	5.62	5.69
51	2.968	3.17	3.23	3.29	3.35	8.55	5.46	5.53	5.60	5.67	5.74
52	2.976	3.18	3.24	3.30	3.36	8.55	5.51	5.58	5.65	5.72	5.79
53	2.984	3.19	3.25	3.31	3.37	8.55	5.56	5.63	5.70	5.77	5.84
54	2.992	3.20	3.26	3.32	3.38	8.55	5.61	5.68	5.75	5.82	5.89
55	2.999	3.21	3.27	3.33	3.39	8.55	5.66	5.73	5.80	5.87	5.94
56	3.007	3.22	3.28	3.34	3.40	8.55	5.71	5.78	5.85	5.92	5.99
57	3.015	3.23	3.29	3.35	3.41	8.55	5.76	5.83	5.90	5.97	6.04
58	3.023	3.24	3.30	3.36	3.42	8.55	5.81	5.88	5.95	6.02	6.09
59	3.031	3.25	3.31	3.37	3.43	8.55	5.86	5.93	6.00	6.07	6.14
60	3.039	3.26	3.32	3.38	3.44	8.55	5.91	5.98	6.05	6.12	6.19

TABLE A-1 CONTINUED

TEMP DEG C	8.50	8.51	8.52	8.53	8.54	PH 8.55	8.56	8.57	8.58	8.59	8.60
7.0	4.44	4.54	4.64	4.74	4.84	4.95	5.04	5.17	5.29	5.41	5.51
7.2	4.45	4.55	4.65	4.75	4.85	4.96	5.05	5.18	5.30	5.42	5.52
7.4	4.46	4.56	4.66	4.76	4.86	4.97	5.06	5.19	5.31	5.43	5.53
7.6	4.47	4.57	4.67	4.77	4.87	4.98	5.07	5.20	5.32	5.44	5.54
8.0	4.48	4.58	4.68	4.78	4.88	4.99	5.08	5.21	5.33	5.45	5.55
8.4	4.49	4.59	4.69	4.79	4.89	5.00	5.09	5.22	5.34	5.46	5.56
8.8	4.50	4.60	4.70	4.80	4.90	5.01	5.10	5.23	5.35	5.47	5.57
9.2	4.51	4.61	4.71	4.81	4.91	5.02	5.11	5.24	5.36	5.48	5.58
9.6	4.52	4.62	4.72	4.82	4.92	5.03	5.12	5.25	5.37	5.49	5.59
10.0	4.53	4.63	4.73	4.83	4.93	5.04	5.13	5.26	5.38	5.50	5.60
10.4	4.54	4.64	4.74	4.84	4.94	5.05	5.14	5.27	5.39	5.51	5.61
10.8	4.55	4.65	4.75	4.85	4.95	5.06	5.15	5.28	5.40	5.52	5.62
11.2	4.56	4.66	4.76	4.86	4.96	5.07	5.16	5.29	5.41	5.53	5.63
11.6	4.57	4.67	4.77	4.87	4.97	5.08	5.17	5.30	5.42	5.54	5.64
12.0	4.58	4.68	4.78	4.88	4.98	5.09	5.18	5.31	5.43	5.55	5.65
12.4	4.59	4.69	4.79	4.89	4.99	5.10	5.19	5.32	5.44	5.56	5.66
12.8	4.60	4.70	4.80	4.90	5.00	5.11	5.20	5.33	5.45	5.57	5.67
13.2	4.61	4.71	4.81	4.91	5.01	5.12	5.21	5.34	5.46	5.58	5.68
13.6	4.62	4.72	4.82	4.92	5.02	5.13	5.22	5.35	5.47	5.59	5.69
14.0	4.63	4.73	4.83	4.93	5.03	5.14	5.23	5.36	5.48	5.60	5.70

TABLE A-1 CONTINUED

TABLE PAGE 213

TEMP DEG C	8.50	8.51	8.52	8.53	8.54	PH	8.56	8.57	8.58	8.59	8.60
14.0	7.43	7.59	7.75	7.92	8.09	8.55	8.44	8.62	8.80	8.98	9.17
14.4	7.53	7.70	7.86	8.03	8.20	8.58	8.55	8.74	8.92	9.11	9.30
14.6	7.64	7.80	7.97	8.14	8.32	8.61	8.57	8.86	9.05	9.24	9.43
14.8	7.75	7.91	8.08	8.26	8.44	8.73	8.69	8.98	9.17	9.36	9.56
15.0	7.86	8.03	8.20	8.37	8.55	8.85	8.82	9.12	9.30	9.49	9.68
15.2	7.97	8.14	8.31	8.49	8.67	8.98	8.94	9.23	9.43	9.63	9.83
15.4	8.08	8.25	8.43	8.61	8.79	9.08	9.04	9.36	9.56	9.76	9.96
15.6	8.19	8.37	8.54	8.73	8.91	9.10	9.06	9.39	9.59	9.79	9.99
15.8	8.31	8.48	8.66	8.85	9.03	9.23	9.19	9.52	9.72	9.92	10.12
16.0	8.42	8.60	8.78	8.97	9.16	9.35	9.31	9.64	9.84	10.04	10.24
16.2	8.54	8.72	8.90	9.09	9.29	9.48	9.44	9.77	9.97	10.17	10.37
16.4	8.66	8.84	9.03	9.22	9.41	9.61	9.57	9.90	10.10	10.30	10.50
16.6	8.78	8.96	9.15	9.34	9.53	9.72	9.68	10.01	10.21	10.41	10.61
16.8	8.90	9.08	9.28	9.47	9.67	9.87	9.83	10.16	10.36	10.56	10.76
17.0	9.02	9.21	9.40	9.59	9.79	10.01	9.97	10.30	10.50	10.70	10.90
17.2	9.14	9.33	9.53	9.73	9.93	10.14	10.10	10.43	10.63	10.83	11.03
17.4	9.27	9.46	9.66	9.86	10.07	10.28	10.24	10.57	10.77	10.97	11.17
17.6	9.39	9.59	9.79	9.99	10.19	10.42	10.38	10.71	10.91	11.11	11.31
17.8	9.52	9.72	9.92	10.12	10.32	10.56	10.52	10.85	11.05	11.25	11.45
18.0	9.65	9.85	10.05	10.25	10.45	10.70	10.66	10.99	11.19	11.39	11.59
18.2	9.78	9.98	10.19	10.40	10.62	10.84	10.80	11.13	11.33	11.53	11.73
18.4	9.91	10.12	10.33	10.54	10.76	10.99	10.95	11.28	11.48	11.68	11.88
18.6	10.04	10.25	10.46	10.67	10.89	11.13	11.09	11.42	11.62	11.82	12.02
18.8	10.17	10.38	10.59	10.80	11.02	11.26	11.22	11.55	11.75	11.95	12.15
19.0	10.30	10.51	10.72	10.93	11.15	11.39	11.35	11.68	11.88	12.08	12.28
19.2	10.43	10.64	10.85	11.06	11.28	11.52	11.48	11.81	12.01	12.21	12.41
19.4	10.56	10.77	10.98	11.19	11.41	11.65	11.61	11.94	12.14	12.34	12.54
19.6	10.69	10.90	11.11	11.32	11.54	11.78	11.74	12.07	12.27	12.47	12.67
19.8	10.82	11.03	11.24	11.45	11.67	11.91	11.87	12.20	12.40	12.60	12.80
20.0	10.95	11.16	11.37	11.58	11.80	12.04	12.00	12.33	12.53	12.73	12.93
20.2	11.08	11.29	11.50	11.71	11.93	12.17	12.13	12.46	12.66	12.86	13.06
20.4	11.21	11.42	11.63	11.84	12.06	12.30	12.26	12.59	12.79	12.99	13.19
20.6	11.34	11.55	11.76	11.97	12.19	12.43	12.39	12.72	12.92	13.12	13.32
20.8	11.47	11.68	11.89	12.10	12.32	12.56	12.52	12.85	13.05	13.25	13.45
21.0	11.60	11.81	12.02	12.23	12.45	12.69	12.65	12.98	13.18	13.38	13.58
21.2	11.73	11.94	12.15	12.36	12.58	12.82	12.78	13.11	13.31	13.51	13.71
21.4	11.86	12.07	12.28	12.49	12.71	12.95	12.91	13.24	13.44	13.64	13.84
21.6	11.99	12.20	12.41	12.62	12.84	13.08	13.04	13.37	13.57	13.77	13.97
21.8	12.12	12.33	12.54	12.75	12.97	13.21	13.17	13.50	13.70	13.90	14.10
22.0	12.25	12.46	12.67	12.88	13.10	13.34	13.30	13.63	13.83	14.03	14.23
22.2	12.38	12.59	12.80	13.01	13.23	13.47	13.43	13.76	13.96	14.16	14.36
22.4	12.51	12.72	12.93	13.14	13.36	13.60	13.56	13.89	14.09	14.29	14.49
22.6	12.64	12.85	13.06	13.27	13.49	13.73	13.69	14.02	14.22	14.42	14.62
22.8	12.77	12.98	13.19	13.40	13.62	13.86	13.82	14.15	14.35	14.55	14.75
23.0	12.90	13.11	13.32	13.53	13.75	13.99	13.95	14.28	14.48	14.68	14.88
23.2	13.03	13.24	13.45	13.66	13.88	14.12	14.08	14.41	14.61	14.81	15.01
23.4	13.16	13.37	13.58	13.79	14.01	14.25	14.21	14.54	14.74	14.94	15.14
23.6	13.29	13.50	13.71	13.92	14.14	14.38	14.34	14.67	14.87	15.07	15.27
23.8	13.42	13.63	13.84	14.05	14.27	14.51	14.47	14.80	15.00	15.20	15.40
24.0	13.55	13.76	13.97	14.18	14.40	14.64	14.60	14.93	15.13	15.33	15.53
24.2	13.68	13.89	14.10	14.31	14.53	14.77	14.73	15.06	15.26	15.46	15.66
24.4	13.81	14.02	14.23	14.44	14.66	14.90	14.86	15.19	15.39	15.59	15.79
24.6	13.94	14.15	14.36	14.57	14.79	15.03	14.99	15.32	15.52	15.72	15.92
24.8	14.07	14.28	14.49	14.70	14.92	15.16	15.12	15.45	15.65	15.85	16.05
25.0	14.20	14.41	14.62	14.83	15.05	15.29	15.25	15.58	15.78	15.98	16.18
25.2	14.33	14.54	14.75	14.96	15.18	15.42	15.38	15.71	15.91	16.11	16.31
25.4	14.46	14.67	14.88	15.09	15.31	15.55	15.51	15.84	16.04	16.24	16.44
25.6	14.59	14.80	15.01	15.22	15.44	15.68	15.64	15.97	16.17	16.37	16.57
25.8	14.72	14.93	15.14	15.35	15.57	15.81	15.77	16.10	16.30	16.50	16.70
26.0	14.85	15.06	15.27	15.48	15.70	15.94	15.90	16.23	16.43	16.63	16.83
26.2	14.98	15.19	15.40	15.61	15.83	16.07	16.03	16.36	16.56	16.76	16.96
26.4	15.11	15.32	15.53	15.74	15.96	16.20	16.16	16.49	16.69	16.89	17.09
26.6	15.24	15.45	15.66	15.87	16.09	16.33	16.29	16.62	16.82	17.02	17.22
26.8	15.37	15.58	15.79	16.00	16.22	16.46	16.42	16.75	16.95	17.15	17.35
27.0	15.50	15.71	15.92	16.13	16.35	16.59	16.55	16.88	17.08	17.28	17.48
27.2	15.63	15.84	16.05	16.26	16.48	16.72	16.68	17.01	17.21	17.41	17.61
27.4	15.76	15.97	16.18	16.39	16.61	16.85	16.81	17.14	17.34	17.54	17.74
27.6	15.89	16.10	16.31	16.52	16.74	16.98	16.94	17.27	17.47	17.67	17.87
27.8	16.02	16.23	16.44	16.65	16.87	17.11	17.07	17.40	17.60	17.80	18.00
28.0	16.15	16.36	16.57	16.78	17.00	17.24	17.20	17.53	17.73	17.93	18.13
28.2	16.28	16.49	16.70	16.91	17.13	17.37	17.33	17.66	17.86	18.06	18.26
28.4	16.41	16.62	16.83	17.04	17.26	17.50	17.46	17.79	17.99	18.19	18.39
28.6	16.54	16.75	16.96	17.17	17.39	17.63	17.59	17.92	18.12	18.32	18.52
28.8	16.67	16.88	17.09	17.30	17.52	17.76	17.72	18.05	18.25	18.45	18.65
29.0	16.80	17.01	17.22	17.43	17.65	17.89	17.85	18.18	18.38	18.58	18.78
29.2	16.93	17.14	17.35	17.56	17.78	18.02	17.98	18.31	18.51	18.71	18.91
29.4	17.06	17.27	17.48	17.69	17.91	18.15	18.11	18.44	18.64	18.84	19.04
29.6	17.19	17.40	17.61	17.82	18.04	18.28	18.24	18.57	18.77	18.97	19.17
29.8	17.32	17.53	17.74	17.95	18.17	18.41	18.37	18.70	18.90	19.10	19.30
30.0	17.45	17.66	17.87	18.08	18.30	18.54	18.50	18.83	19.03	19.23	19.43
30.2	17.58	17.79	18.00	18.21	18.43	18.67	18.63	18.96	19.16	19.36	19.56
30.4	17.71	17.92	18.13	18.34	18.56	18.80	18.76	19.09	19.29	19.49	19.69
30.6	17.84	18.05	18.26	18.47	18.69	18.93	18.89	19.22	19.42	19.62	19.82
30.8	17.97	18.18	18.39	18.60	18.82	19.06	19.02	19.35	19.55	19.75	19.95
31.0	18.10	18.31	18.52	18.73	18.95	19.19	19.15	19.48	19.68	19.88	20.08
31.2	18.23	18.44	18.65	18.86	19.08	19.32	19.28	19.61	19.81	20.01	20.21
31.4	18.36	18.57	18.78	18.99	19.21	19.45	19.41	19.74	19.94	20.14	20.34
31.6	18.49	18.70	18.91	19.12	19.34	19.58	19.54	19.87	20.07	20.27	20.47
31.8	18.62	18.83	19.04	19.25	19.47	19.71	19.67	20.00	20.20	20.40	20.60
32.0	18.75	18.96	19.17	19.38	19.60	19.84	19.80	20.13	20.33	20.53	20.73
32.2	18.88	19.09	19.30	19.51	19.73	19.97	19.93	20.26	20.46	20.66	20.86
32.4	19.01	19.22	19.43	19.64	19.86	20.10	20.06	20.39	20.59	20.79	20.99
32.6	19.14	19.35	19.56	19.77	19.99	20.23	20.19	20.52	20.72	20.92	21.12
32.8	19.27	19.48	19.69	19.90	20.12	20.36	20.32	20.65	20.85	21.05	21.25
33.0	19.40	19.61	19.82	20.03	20.25	20.49	20.45	20.78	20.98	21.18	21.38
33.2	19.53	19.74	19.95	20.16	20.38	20.62	20.58	20.91	21.11	21.31	21.51
33.4	19.66	19.87	20.08	20.29	20.51	20.75	20.71	21.04	21.24	21.44	21.64
33.6	19.79	20.00	20.21	20.42	20.64	20.88	20.84	21.17	21.37	21.57	21.77
33.8	19.92	20.13	20.34	20.55	20.77	21.01	20.97				

TABLE PAGE 214

TABLE A-1 CONTINUED

TEMP DEG C	8.50	8.51	8.52	8.53	8.54	PH 8.55	8.56	8.57	8.58	8.59	8.60
21.0	11.9	12.1	12.4	12.6	12.9	13.2	13.4	13.7	14.0	14.2	14.5
21.2	12.2	12.3	12.7	12.8	13.1	13.3	13.6	13.9	14.1	14.4	14.7
21.4	12.5	12.6	12.9	13.0	13.3	13.5	13.8	14.0	14.3	14.6	14.9
21.6	12.7	12.8	13.0	13.1	13.4	13.6	13.9	14.1	14.4	14.7	15.0
22.0	13.0	13.1	13.3	13.4	13.6	13.8	14.0	14.2	14.5	14.8	15.1
22.4	13.3	13.4	13.5	13.6	13.8	14.0	14.2	14.4	14.7	15.0	15.3
22.6	13.5	13.6	13.7	13.8	14.0	14.2	14.4	14.6	14.9	15.2	15.5
23.0	13.8	13.9	14.0	14.1	14.3	14.5	14.7	14.9	15.2	15.5	15.8
23.4	14.1	14.2	14.3	14.4	14.6	14.8	15.0	15.2	15.5	15.8	16.1
23.6	14.3	14.4	14.5	14.6	14.8	15.0	15.2	15.4	15.7	16.0	16.3
24.0	14.6	14.7	14.8	14.9	15.1	15.3	15.5	15.7	16.0	16.3	16.6
24.4	14.9	15.0	15.1	15.2	15.4	15.6	15.8	16.0	16.3	16.6	16.9
24.6	15.1	15.2	15.3	15.4	15.6	15.8	16.0	16.2	16.5	16.8	17.1
25.0	15.4	15.5	15.6	15.7	15.9	16.1	16.3	16.5	16.8	17.1	17.4
25.4	15.7	15.8	15.9	16.0	16.2	16.4	16.6	16.8	17.1	17.4	17.7
25.6	15.9	16.0	16.1	16.2	16.4	16.6	16.8	17.0	17.3	17.6	17.9
26.0	16.2	16.3	16.4	16.5	16.7	16.9	17.1	17.3	17.6	17.9	18.2
26.4	16.5	16.6	16.7	16.8	17.0	17.2	17.4	17.6	17.9	18.2	18.5
26.6	16.7	16.8	16.9	17.0	17.2	17.4	17.6	17.8	18.1	18.4	18.7
27.0	17.0	17.1	17.2	17.3	17.5	17.7	17.9	18.1	18.4	18.7	19.0
27.4	17.3	17.4	17.5	17.6	17.8	18.0	18.2	18.4	18.7	19.0	19.3
27.6	17.5	17.6	17.7	17.8	18.0	18.2	18.4	18.6	18.9	19.2	19.5
28.0	17.8	17.9	18.0	18.1	18.3	18.5	18.7	18.9	19.2	19.5	19.8

TEMP DEG C	8.50	8.51	8.52	8.53	8.54	PH 8.55	8.56	8.57	8.58	8.59	8.60
28.0	18.2	18.5	18.9	19.2	19.6	19.9	20.3	20.7	21.1	21.4	21.8
28.2	18.4	18.7	19.1	19.4	19.8	20.0	20.5	20.9	21.3	21.6	22.0
28.4	18.6	18.9	19.3	19.6	20.0	20.2	20.7	21.1	21.5	21.8	22.2
28.6	18.8	19.1	19.5	19.8	20.2	20.4	20.9	21.3	21.7	22.0	22.4
28.8	19.0	19.3	19.7	20.0	20.4	20.6	21.1	21.5	21.9	22.2	22.6
29.0	19.2	19.5	19.9	20.2	20.6	20.8	21.3	21.7	22.1	22.4	22.8
29.2	19.4	19.7	20.1	20.4	20.8	21.0	21.5	21.9	22.3	22.6	23.0
29.4	19.6	19.9	20.3	20.6	21.0	21.2	21.7	22.1	22.5	22.8	23.2
29.6	19.8	20.1	20.5	20.8	21.2	21.4	21.9	22.3	22.7	23.0	23.4
29.8	20.0	20.3	20.7	21.0	21.4	21.6	22.1	22.5	22.9	23.2	23.6
30.0	20.2	20.5	20.9	21.2	21.6	21.8	22.3	22.7	23.1	23.4	23.8
30.2	20.4	20.7	21.1	21.4	21.8	22.0	22.5	22.9	23.3	23.6	24.0
30.4	20.6	20.9	21.3	21.6	22.0	22.2	22.7	23.1	23.5	23.8	24.2
30.6	20.8	21.1	21.5	21.8	22.2	22.4	22.9	23.3	23.7	24.0	24.4
30.8	21.0	21.3	21.7	22.0	22.4	22.6	23.1	23.5	23.9	24.2	24.6
31.0	21.2	21.5	21.9	22.2	22.6	22.8	23.3	23.7	24.1	24.4	24.8
31.2	21.4	21.7	22.1	22.4	22.8	23.0	23.5	23.9	24.3	24.6	25.0
31.4	21.6	21.9	22.3	22.6	23.0	23.2	23.7	24.1	24.5	24.8	25.2
31.6	21.8	22.1	22.5	22.8	23.2	23.4	23.9	24.3	24.7	25.0	25.4
31.8	22.0	22.3	22.7	23.0	23.4	23.6	24.1	24.5	24.9	25.2	25.6
32.0	22.2	22.5	22.9	23.2	23.6	23.8	24.3	24.7	25.1	25.4	25.8
32.2	22.4	22.7	23.1	23.4	23.8	24.0	24.5	24.9	25.3	25.6	26.0
32.4	22.6	22.9	23.3	23.6	24.0	24.2	24.7	25.1	25.5	25.8	26.2
32.6	22.8	23.1	23.5	23.8	24.2	24.4	24.9	25.3	25.7	26.0	26.4
32.8	23.0	23.3	23.7	24.0	24.4	24.6	25.1	25.5	25.9	26.2	26.6
33.0	23.2	23.5	23.9	24.2	24.6	24.8	25.3	25.7	26.1	26.4	26.8
33.2	23.4	23.7	24.1	24.4	24.8	25.0	25.5	25.9	26.3	26.6	27.0
33.4	23.6	23.9	24.3	24.6	25.0	25.2	25.7	26.1	26.5	26.8	27.2
33.6	23.8	24.1	24.5	24.8	25.2	25.4	25.9	26.3	26.7	27.0	27.4
33.8	24.0	24.3	24.7	25.0	25.4	25.6	26.1	26.5	26.9	27.2	27.6
34.0	24.2	24.5	24.9	25.2	25.6	25.8	26.3	26.7	27.1	27.4	27.8
34.2	24.4	24.7	25.1	25.4	25.8	26.0	26.5	26.9	27.3	27.6	28.0
34.4	24.6	24.9	25.3	25.6	26.0	26.2	26.7	27.1	27.5	27.8	28.2
34.6	24.8	25.1	25.5	25.8	26.2	26.4	26.9	27.3	27.7	28.0	28.4
34.8	25.0	25.3	25.7	26.0	26.4	26.6	27.1	27.5	27.9	28.2	28.6
35.0	25.2	25.5	25.9	26.2	26.6	26.8	27.3	27.7	28.1	28.4	28.8

TABLE A-1 CONTINUED

TEMP DEG C	8.50	8.51	8.52	8.53	8.54	PH 8.55	8.56	8.57	8.58	8.59	8.60
35.0	26.3	26.7	27.2	27.6	28.1	28.6	29.0	29.5	30.0	30.5	31.0
35.2	26.5	27.0	27.4	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3
35.4	26.8	27.2	27.7	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6
35.6	27.0	27.5	28.0	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9
35.8	27.3	27.8	28.3	28.7	29.2	29.7	30.2	30.7	31.2	31.7	32.2
36.0	27.6	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5
36.2	27.8	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8
36.4	28.1	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1
36.6	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4
36.8	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6
37.0	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9
37.2	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2
37.4	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4
37.6	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7
37.8	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0
38.0	30.3	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2
38.2	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
38.4	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8
38.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1
38.8	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4
39.0	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6
39.2	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9
39.4	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2
39.6	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5
39.8	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8
40.0	33.0	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1

TABLE A-1 CONTINUED

TABLE PAGE 217

TEMP DEG C	8.60	8.61	8.62	8.63	8.64	PH 8.65	8.66	8.67	8.68	8.69	8.70
0	3.19	3.26	3.33	3.41	3.48	3.56	3.64	3.78	3.87	3.96	4.04
.2	3.24	3.31	3.38	3.46	3.54	3.62	3.70	3.85	3.93	4.02	4.10
.4	3.29	3.37	3.44	3.52	3.60	3.68	3.76	3.91	4.00	4.08	4.16
.6	3.35	3.42	3.50	3.58	3.66	3.74	3.82	3.97	4.06	4.14	4.22
.8	3.40	3.48	3.56	3.64	3.72	3.80	3.88	4.04	4.13	4.21	4.29
1.0	3.46	3.53	3.61	3.69	3.78	3.86	3.95	4.10	4.19	4.27	4.35
1.2	3.51	3.59	3.67	3.75	3.84	3.92	4.00	4.17	4.26	4.34	4.42
1.4	3.57	3.65	3.73	3.81	3.90	3.99	4.08	4.25	4.34	4.42	4.50
1.6	3.63	3.71	3.79	3.88	3.96	4.05	4.14	4.32	4.41	4.49	4.57
1.8	3.69	3.77	3.85	3.94	4.03	4.12	4.21	4.39	4.48	4.56	4.64
2.0	3.74	3.83	3.91	4.00	4.09	4.18	4.28	4.46	4.55	4.63	4.71
2.2	3.81	3.89	3.98	4.07	4.16	4.25	4.34	4.52	4.61	4.69	4.78
2.4	3.87	3.95	4.04	4.13	4.22	4.31	4.40	4.58	4.67	4.75	4.84
2.6	3.93	4.02	4.11	4.20	4.29	4.38	4.47	4.65	4.74	4.82	4.91
2.8	3.99	4.08	4.17	4.26	4.35	4.44	4.53	4.71	4.80	4.88	4.97
3.0	4.05	4.15	4.24	4.33	4.43	4.53	4.63	4.81	4.90	4.98	5.07
3.2	4.12	4.21	4.30	4.40	4.49	4.59	4.69	4.87	4.96	5.04	5.13
3.4	4.18	4.28	4.37	4.47	4.56	4.66	4.77	4.95	5.04	5.12	5.21
3.6	4.25	4.35	4.44	4.54	4.64	4.74	4.85	5.03	5.12	5.20	5.29
3.8	4.32	4.41	4.51	4.61	4.71	4.81	4.92	5.10	5.19	5.27	5.36
4.0	4.39	4.48	4.58	4.69	4.79	4.89	5.00	5.17	5.26	5.34	5.43
4.2	4.46	4.55	4.66	4.76	4.86	4.97	5.08	5.25	5.34	5.42	5.51
4.4	4.53	4.63	4.73	4.83	4.94	5.05	5.16	5.33	5.42	5.50	5.59
4.6	4.60	4.70	4.80	4.91	5.01	5.12	5.23	5.40	5.49	5.57	5.66
4.8	4.67	4.77	4.88	4.99	5.09	5.20	5.31	5.48	5.57	5.65	5.74
5.0	4.74	4.85	4.95	5.06	5.17	5.29	5.40	5.57	5.66	5.74	5.83
5.2	4.81	4.92	5.03	5.14	5.25	5.37	5.48	5.65	5.74	5.82	5.91
5.4	4.89	5.00	5.11	5.22	5.33	5.45	5.56	5.73	5.82	5.90	5.99
5.6	4.97	5.08	5.19	5.30	5.41	5.53	5.64	5.81	5.90	5.98	6.07
5.8	5.04	5.15	5.26	5.37	5.48	5.60	5.71	5.88	5.97	6.05	6.14
6.0	5.12	5.23	5.35	5.47	5.59	5.71	5.83	6.00	6.09	6.17	6.26
6.2	5.20	5.31	5.43	5.55	5.67	5.80	5.92	6.09	6.18	6.26	6.35
6.4	5.28	5.39	5.51	5.63	5.75	5.88	6.00	6.17	6.26	6.34	6.43
6.6	5.36	5.47	5.59	5.71	5.83	5.97	6.09	6.26	6.35	6.43	6.52
6.8	5.44	5.55	5.67	5.79	5.91	6.05	6.17	6.34	6.43	6.51	6.60
7.0	5.52	5.63	5.75	5.87	5.99	6.14	6.26	6.43	6.52	6.60	6.69

TABLE A-1 CONTINUED

TABLE PAGE 218

TEMP DEG C	8.60	8.61	8.62	8.63	8.64	PH 8.65	8.66	8.67	8.68	8.69	8.70
7.0	5.52	5.65	5.77	5.90	6.03	6.16	6.29	6.43	6.57	6.71	6.86
7.2	5.61	5.73	5.85	5.98	6.12	6.25	6.38	6.52	6.67	6.81	6.96
7.4	5.69	5.82	5.94	6.07	6.21	6.34	6.48	6.62	6.77	6.91	7.06
7.6	5.78	5.91	6.04	6.17	6.30	6.44	6.58	6.72	6.87	7.02	7.17
7.8	5.87	6.00	6.12	6.25	6.39	6.53	6.68	6.83	6.98	7.13	7.28
8.0	5.96	6.09	6.22	6.35	6.49	6.63	6.78	6.93	7.08	7.23	7.38
8.2	6.05	6.18	6.31	6.45	6.59	6.73	6.88	7.03	7.18	7.34	7.49
8.4	6.14	6.27	6.41	6.55	6.69	6.84	6.99	7.13	7.29	7.44	7.60
8.6	6.23	6.36	6.50	6.64	6.79	6.94	7.09	7.23	7.39	7.55	7.73
8.8	6.32	6.45	6.60	6.74	6.89	7.04	7.19	7.34	7.50	7.67	7.85
9.0	6.42	6.55	6.70	6.84	6.99	7.14	7.30	7.45	7.61	7.78	7.94
9.2	6.51	6.65	6.80	6.94	7.09	7.25	7.40	7.56	7.73	7.89	8.08
9.4	6.61	6.75	6.90	7.05	7.20	7.35	7.51	7.67	7.85	8.01	8.19
9.6	6.70	6.85	7.00	7.15	7.30	7.46	7.62	7.79	7.97	8.13	8.30
10.0	6.80	6.95	7.10	7.26	7.41	7.58	7.73	7.90	8.08	8.26	8.45
10.2	6.91	7.06	7.21	7.36	7.52	7.68	7.85	8.01	8.19	8.37	8.54
10.4	7.01	7.16	7.31	7.47	7.63	7.79	7.96	8.13	8.32	8.49	8.69
10.6	7.11	7.26	7.42	7.58	7.74	7.91	8.08	8.25	8.45	8.63	8.81
10.8	7.21	7.37	7.53	7.69	7.85	8.02	8.19	8.37	8.57	8.75	8.94
11.0	7.32	7.47	7.64	7.80	7.97	8.14	8.31	8.48	8.69	8.87	9.07
11.2	7.42	7.58	7.75	7.91	8.08	8.25	8.42	8.60	8.81	8.99	9.17
11.4	7.53	7.69	7.86	8.03	8.20	8.37	8.55	8.73	8.94	9.12	9.30
11.6	7.64	7.80	7.97	8.14	8.32	8.49	8.68	8.86	9.07	9.25	9.43
11.8	7.75	7.92	8.09	8.26	8.44	8.61	8.80	8.98	9.19	9.37	9.56
12.0	7.86	8.03	8.20	8.38	8.56	8.74	8.92	9.11	9.33	9.51	9.70
12.2	7.97	8.14	8.32	8.50	8.68	8.86	9.05	9.24	9.46	9.64	9.84
12.4	8.09	8.26	8.44	8.62	8.80	8.99	9.18	9.37	9.59	9.77	9.97
12.6	8.20	8.38	8.56	8.74	8.92	9.11	9.30	9.49	9.71	9.89	10.09
12.8	8.32	8.50	8.68	8.86	9.04	9.23	9.42	9.61	9.83	10.01	10.21
13.0	8.45	8.63	8.81	8.99	9.17	9.36	9.55	9.74	9.96	10.14	10.34
13.2	8.58	8.76	8.94	9.12	9.30	9.49	9.68	9.87	10.09	10.27	10.47
13.4	8.71	8.89	9.07	9.25	9.43	9.62	9.81	10.00	10.22	10.40	10.60

TABLE A-1 CONTINUED

TABLE PAGE 219

TEMP DEG C	8.60	8.61	8.62	8.63	8.64	PH 8.65	8.66	8.67	8.68	8.69	8.70
14.0	9.17	9.37	9.57	9.77	9.97	10.18	10.39	10.61	10.83	11.05	11.28
14.2	9.30	9.50	9.70	9.90	10.15	10.32	10.54	10.75	10.98	11.20	11.44
14.4	9.43	9.63	9.83	10.04	10.25	10.46	10.68	10.90	11.13	11.36	11.59
14.6	9.56	9.76	9.97	10.18	10.39	10.61	10.83	11.05	11.28	11.51	11.74
14.8	9.69	9.90	10.14	10.32	10.53	10.75	10.97	11.19	11.43	11.67	11.91
15.0	9.83	10.03	10.24	10.46	10.67	10.90	11.12	11.35	11.58	11.82	12.07
15.2	9.96	10.17	10.38	10.60	10.82	11.04	11.27	11.50	11.74	11.98	12.23
15.4	10.1	10.3	10.5	10.7	10.9	11.2	11.4	11.7	11.9	12.2	12.4
15.6	10.2	10.4	10.7	10.9	11.1	11.3	11.5	11.8	12.1	12.3	12.6
15.8	10.4	10.6	11.0	11.2	11.4	11.6	11.9	12.1	12.4	12.6	12.9
16.0	10.7	10.9	11.1	11.3	11.6	11.8	12.0	12.3	12.5	12.8	13.1
16.2	10.9	11.1	11.3	11.5	11.7	12.0	12.2	12.5	12.7	13.0	13.3
16.4	11.1	11.3	11.5	11.7	12.0	12.2	12.4	12.7	13.0	13.3	13.6
16.6	11.2	11.5	11.7	11.9	12.2	12.4	12.7	13.0	13.3	13.6	13.9
16.8	11.4	11.6	11.8	12.0	12.3	12.5	12.8	13.1	13.4	13.7	14.0
17.0	11.5	11.8	12.0	12.2	12.5	12.7	13.0	13.3	13.6	13.9	14.2
17.2	11.7	12.0	12.2	12.4	12.7	12.9	13.2	13.5	13.8	14.1	14.4
17.4	11.8	12.1	12.3	12.5	12.8	13.0	13.3	13.6	13.9	14.2	14.5
17.6	12.0	12.3	12.5	12.7	13.0	13.2	13.5	13.8	14.1	14.4	14.7
17.8	12.1	12.4	12.6	12.8	13.1	13.3	13.6	13.9	14.2	14.5	14.8
18.0	12.3	12.6	12.8	13.0	13.3	13.5	13.8	14.1	14.4	14.7	15.0
18.2	12.5	12.8	13.0	13.2	13.5	13.7	14.0	14.3	14.6	14.9	15.2
18.4	12.6	12.9	13.1	13.3	13.6	13.8	14.1	14.4	14.7	15.0	15.3
18.6	12.8	13.1	13.3	13.5	13.8	14.0	14.3	14.6	14.9	15.2	15.5
18.8	13.0	13.3	13.5	13.7	14.0	14.2	14.5	14.8	15.1	15.4	15.7
19.0	13.1	13.4	13.6	13.8	14.1	14.3	14.6	14.9	15.2	15.5	15.8
19.2	13.3	13.5	13.7	13.9	14.2	14.4	14.7	15.0	15.3	15.6	15.9
19.4	13.5	13.7	13.9	14.1	14.4	14.6	14.9	15.2	15.5	15.8	16.1
19.6	13.6	13.8	14.0	14.2	14.5	14.7	15.0	15.3	15.6	15.9	16.2
19.8	13.8	14.0	14.2	14.4	14.7	14.9	15.2	15.5	15.8	16.1	16.4
20.0	14.0	14.2	14.4	14.6	14.9	15.1	15.4	15.7	16.0	16.3	16.6
20.2	14.1	14.3	14.5	14.7	15.0	15.2	15.5	15.8	16.1	16.4	16.7
20.4	14.2	14.4	14.6	14.8	15.1	15.3	15.6	15.9	16.2	16.5	16.8
20.6	14.4	14.5	14.7	14.9	15.2	15.4	15.7	16.0	16.3	16.6	16.9
20.8	14.5	14.6	14.8	15.0	15.3	15.5	15.8	16.1	16.4	16.7	17.0
21.0	14.6	14.7	14.9	15.1	15.4	15.6	15.9	16.2	16.5	16.8	17.1

TABLE A-1 CONTINUED

TABLE A-1 CONTINUED

TEMP DEG C	8.60	8.61	8.62	8.63	8.64	PH 8.65	8.66	8.67	8.68	8.69	8.70
21.0	14.5	14.8	15.1	15.4	15.5	16.0	16.3	16.6	17.0	17.3	17.6
21.2	14.7	15.0	15.3	15.6	15.7	16.2	16.5	16.8	17.2	17.5	17.8
21.4	14.9	15.2	15.5	15.8	16.0	16.4	16.7	17.0	17.4	17.7	18.0
21.6	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.6	17.9	18.2
21.8	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.8	18.1	18.4
22.0	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	18.0	18.3	18.6
22.2	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.1	18.4	18.7
22.4	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.3	18.6	18.9
22.6	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.5	18.8	19.1
22.8	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.7	19.0	19.3
23.0	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.9	19.2	19.5
23.2	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.1	19.4	19.7
23.4	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.3	19.6	19.9
23.6	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.5	19.8	20.1
23.8	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.7	20.0	20.3
24.0	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.9	20.2	20.5
24.2	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.7	20.1	20.4	20.7
24.4	17.8	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.3	20.6	20.9
24.6	18.0	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.5	20.8	21.1
24.8	18.2	18.5	18.8	19.1	19.4	19.7	20.0	20.3	20.7	21.0	21.3
25.0	18.4	18.7	19.0	19.3	19.6	19.9	20.2	20.5	20.9	21.2	21.5
25.2	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.7	21.1	21.4	21.7
25.4	18.8	19.1	19.4	19.7	20.0	20.3	20.6	20.9	21.3	21.6	21.9
25.6	19.0	19.3	19.6	19.9	20.2	20.5	20.8	21.1	21.5	21.8	22.1
25.8	19.2	19.5	19.8	20.1	20.4	20.7	21.0	21.3	21.7	22.0	22.3
26.0	19.4	19.7	20.0	20.3	20.6	20.9	21.2	21.5	21.9	22.2	22.5
26.2	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.7	22.1	22.4	22.7
26.4	19.8	20.1	20.4	20.7	21.0	21.3	21.6	21.9	22.3	22.6	22.9
26.6	20.0	20.3	20.6	20.9	21.2	21.5	21.8	22.1	22.5	22.8	23.1
26.8	20.2	20.5	20.8	21.1	21.4	21.7	22.0	22.3	22.7	23.0	23.3
27.0	20.4	20.7	21.0	21.3	21.6	21.9	22.2	22.5	22.9	23.2	23.5
27.2	20.6	20.9	21.2	21.5	21.8	22.1	22.4	22.7	23.1	23.4	23.7
27.4	20.8	21.1	21.4	21.7	22.0	22.3	22.6	22.9	23.3	23.6	23.9
27.6	21.0	21.3	21.6	21.9	22.2	22.5	22.8	23.1	23.5	23.8	24.1
27.8	21.2	21.5	21.8	22.1	22.4	22.7	23.0	23.3	23.7	24.0	24.3
28.0	21.4	21.7	22.0	22.3	22.6	22.9	23.2	23.5	23.9	24.2	24.5

TABLE PAGE 221

TABLE A-1 CONTINUED

TEMP DEG C	8.60	8.61	8.62	8.63	8.64	PH 8.65	8.66	8.67	8.68	8.69	8.70
28.0	21.8	22.5	22.9	23.3	23.7	23.9	24.5	24.7	25.1	25.6	26.0
28.2	22.1	22.8	23.2	23.6	24.0	24.1	24.7	24.9	25.3	25.8	26.2
28.4	22.3	23.0	23.4	23.8	24.2	24.3	24.9	25.1	25.5	26.0	26.4
28.6	22.6	23.3	23.7	24.1	24.5	24.6	25.2	25.4	25.8	26.3	26.7
28.8	22.8	23.5	23.9	24.3	24.7	24.8	25.4	25.6	26.0	26.5	26.9
29.0	23.0	23.7	24.1	24.5	24.9	25.0	25.6	25.8	26.2	26.7	27.1
29.2	23.3	24.0	24.4	24.8	25.2	25.3	25.9	26.1	26.5	27.0	27.4
29.4	23.5	24.2	24.6	25.0	25.4	25.5	26.1	26.3	26.7	27.2	27.6
29.6	23.8	24.5	24.9	25.3	25.7	25.8	26.4	26.6	27.0	27.5	27.9
29.8	24.0	24.7	25.1	25.5	25.9	26.0	26.6	26.8	27.2	27.7	28.1
30.0	24.3	25.0	25.4	25.8	26.2	26.3	26.9	27.1	27.5	28.0	28.4
30.2	24.5	25.2	25.6	26.0	26.4	26.5	27.1	27.3	27.7	28.2	28.6
30.4	24.8	25.5	25.9	26.3	26.7	26.8	27.4	27.6	28.0	28.5	28.9
30.6	25.0	25.7	26.1	26.5	26.9	27.0	27.6	27.8	28.2	28.7	29.1
30.8	25.3	26.0	26.4	26.8	27.2	27.3	27.9	28.1	28.5	29.0	29.4
31.0	25.5	26.2	26.6	27.0	27.4	27.5	28.1	28.3	28.7	29.2	29.6
31.2	25.8	26.5	26.9	27.3	27.7	27.8	28.4	28.6	29.0	29.5	29.9
31.4	26.0	26.7	27.1	27.5	27.9	28.0	28.6	28.8	29.2	29.7	30.1
31.6	26.3	27.0	27.4	27.8	28.2	28.3	28.9	29.1	29.5	30.0	30.4
31.8	26.5	27.2	27.6	28.0	28.4	28.5	29.1	29.3	29.7	30.2	30.6
32.0	26.8	27.5	27.9	28.3	28.7	28.8	29.4	29.6	30.0	30.5	30.9
32.2	27.0	27.7	28.1	28.5	28.9	29.0	29.6	29.8	30.2	30.7	31.1
32.4	27.3	28.0	28.4	28.8	29.2	29.3	29.9	30.1	30.5	31.0	31.4
32.6	27.5	28.2	28.6	29.0	29.4	29.5	30.1	30.3	30.7	31.2	31.6
32.8	27.8	28.5	28.9	29.3	29.7	29.8	30.4	30.6	31.0	31.5	31.9
33.0	28.0	28.7	29.1	29.5	29.9	30.0	30.6	30.8	31.2	31.7	32.1
33.2	28.3	29.0	29.4	29.8	30.2	30.3	30.9	31.1	31.5	32.0	32.4
33.4	28.5	29.2	29.6	30.0	30.4	30.5	31.1	31.3	31.7	32.2	32.6
33.6	28.8	29.5	29.9	30.3	30.7	30.8	31.4	31.6	32.0	32.5	32.9
33.8	29.0	29.7	30.1	30.5	30.9	31.0	31.6	31.8	32.2	32.7	33.1
34.0	29.3	30.0	30.4	30.8	31.2	31.3	31.9	32.1	32.5	33.0	33.4
34.2	29.5	30.2	30.6	31.0	31.4	31.5	32.1	32.3	32.7	33.2	33.6
34.4	29.8	30.5	30.9	31.3	31.7	31.8	32.4	32.6	33.0	33.5	33.9
34.6	30.0	30.7	31.1	31.5	31.9	32.0	32.6	32.8	33.2	33.7	34.1
34.8	30.3	31.0	31.4	31.8	32.2	32.3	32.9	33.1	33.5	34.0	34.4
35.0	30.5	31.2	31.6	32.0	32.4	32.5	33.1	33.3	33.7	34.2	34.6

TABLE A-1 CONTINUED

TEMP DEG C	8.60	8.61	8.62	8.63	8.64	PH 8.65	8.66	8.67	8.68	8.69	8.70
35.0	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.6	36.1
35.2	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.9	36.4
35.4	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.1	36.6
35.6	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.4	36.9
35.8	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.7	37.2
36.0	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	37.0	37.5
36.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.3	37.8
36.4	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.6	38.1
36.6	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.9	38.4
36.8	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.2	38.7
37.0	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.6	39.1
37.2	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.9	39.4
37.4	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.2	39.7
37.6	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.5	40.0
37.8	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.8	40.3
38.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.1	40.6
38.2	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.4	40.9
38.4	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.7	41.2
38.6	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	41.0	41.5
38.8	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.3	41.8
39.0	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.6	42.1
39.2	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3	41.9	42.4
39.4	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.2	42.7
39.6	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4	41.9	42.5	43.0
39.8	38.2	38.7	39.2	39.7	40.2	40.7	41.2	41.7	42.2	42.8	43.3
40.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.1	43.6

TABLE PAGE 223

TABLE A-1 CONTINUED

TEMP DEG C	8.70	8.71	8.72	8.73	8.74	PH	8.75	8.76	8.77	8.78	8.79	8.80
0	3.98	4.07	4.16	4.25	4.35	4.44	4.54	4.62	4.72	4.82	4.93	5.04
.2	4.04	4.13	4.23	4.32	4.42	4.51	4.61	4.70	4.80	4.90	5.01	5.12
.4	4.11	4.20	4.30	4.39	4.49	4.58	4.68	4.77	4.87	4.97	5.08	5.19
.6	4.18	4.27	4.37	4.46	4.56	4.66	4.76	4.85	4.95	5.05	5.16	5.27
.8	4.24	4.34	4.44	4.53	4.63	4.73	4.83	4.92	5.03	5.13	5.24	5.35
1.0	4.31	4.41	4.51	4.61	4.71	4.81	4.91	5.01	5.11	5.21	5.32	5.43
1.2	4.38	4.48	4.58	4.68	4.78	4.89	4.99	5.08	5.19	5.29	5.40	5.51
1.4	4.45	4.55	4.65	4.75	4.86	4.97	5.07	5.16	5.27	5.37	5.48	5.59
1.6	4.52	4.62	4.73	4.83	4.94	5.05	5.15	5.24	5.35	5.45	5.56	5.67
1.8	4.60	4.70	4.80	4.91	5.02	5.13	5.23	5.32	5.43	5.53	5.64	5.75
2.0	4.67	4.77	4.88	4.99	5.10	5.21	5.31	5.41	5.52	5.62	5.73	5.84
2.2	4.74	4.85	4.96	5.07	5.18	5.29	5.39	5.49	5.60	5.70	5.81	5.92
2.4	4.82	4.93	5.03	5.15	5.26	5.38	5.49	5.59	5.70	5.80	5.91	6.02
2.6	4.90	5.00	5.11	5.23	5.34	5.46	5.57	5.67	5.78	5.88	5.99	6.10
2.8	4.97	5.08	5.19	5.31	5.43	5.55	5.66	5.76	5.87	5.97	6.08	6.19
3.0	5.05	5.16	5.28	5.39	5.51	5.63	5.74	5.85	5.96	6.06	6.17	6.28
3.2	5.13	5.24	5.36	5.48	5.60	5.72	5.83	5.94	6.05	6.15	6.26	6.37
3.4	5.21	5.33	5.45	5.56	5.69	5.81	5.92	6.03	6.14	6.24	6.35	6.46
3.6	5.29	5.41	5.53	5.65	5.77	5.89	6.00	6.11	6.22	6.32	6.43	6.54
3.8	5.38	5.49	5.62	5.74	5.86	5.99	6.10	6.21	6.32	6.42	6.53	6.64
4.0	5.46	5.58	5.70	5.83	5.96	6.09	6.20	6.31	6.42	6.52	6.63	6.74
4.2	5.55	5.67	5.79	5.92	6.05	6.18	6.29	6.40	6.51	6.61	6.72	6.83
4.4	5.63	5.75	5.88	6.01	6.14	6.27	6.38	6.49	6.60	6.70	6.81	6.92
4.6	5.72	5.84	5.97	6.10	6.23	6.36	6.47	6.58	6.69	6.79	6.90	7.01
4.8	5.81	5.93	6.06	6.19	6.32	6.45	6.56	6.67	6.78	6.88	6.99	7.10
5.0	5.90	6.03	6.16	6.29	6.43	6.56	6.68	6.79	6.90	7.00	7.11	7.22
5.2	5.99	6.12	6.25	6.39	6.53	6.67	6.79	6.90	7.01	7.11	7.22	7.33
5.4	6.08	6.21	6.35	6.49	6.63	6.77	6.89	6.99	7.10	7.20	7.31	7.42
5.6	6.17	6.31	6.45	6.59	6.73	6.88	6.99	7.10	7.21	7.31	7.42	7.53
5.8	6.26	6.40	6.54	6.68	6.83	6.98	7.09	7.20	7.31	7.41	7.52	7.63
6.0	6.35	6.50	6.64	6.79	6.93	7.08	7.19	7.30	7.41	7.51	7.62	7.73
6.2	6.44	6.60	6.74	6.89	7.04	7.19	7.30	7.41	7.52	7.62	7.73	7.84
6.4	6.53	6.70	6.84	6.99	7.14	7.29	7.40	7.51	7.62	7.72	7.83	7.94
6.6	6.62	6.80	6.95	7.10	7.25	7.40	7.51	7.62	7.73	7.83	7.94	8.05
6.8	6.71	6.90	7.05	7.20	7.36	7.51	7.62	7.73	7.84	7.94	8.05	8.16
7.0	6.80	7.01	7.16	7.31	7.47	7.63	7.74	7.85	7.96	8.06	8.17	8.28

TEMP DEG C	8.70	8.71	8.72	8.73	8.74	PH 8.75	8.76	8.77	8.78	8.79	8.80
7.0	6.86	7.01	7.16	7.31	7.47	7.63	7.79	7.96	8.13	8.30	8.48
7.2	6.96	7.11	7.26	7.42	7.58	7.74	7.91	8.08	8.25	8.43	8.61
7.4	7.06	7.22	7.37	7.53	7.69	7.86	8.03	8.20	8.37	8.55	8.73
7.6	7.18	7.33	7.48	7.64	7.81	7.97	8.14	8.32	8.49	8.68	8.86
7.8	7.28	7.43	7.59	7.76	7.92	8.09	8.27	8.44	8.62	8.80	8.99
8.0	7.38	7.54	7.71	7.87	8.04	8.21	8.39	8.57	8.75	8.93	9.12
8.2	7.49	7.65	7.82	7.99	8.16	8.33	8.51	8.69	8.87	9.06	9.25
8.4	7.60	7.77	7.93	8.10	8.28	8.45	8.63	8.82	9.00	9.19	9.39
8.6	7.72	7.88	8.05	8.22	8.40	8.58	8.76	8.95	9.13	9.33	9.52
8.8	7.83	8.00	8.17	8.34	8.52	8.70	8.89	9.07	9.25	9.46	9.66
9.0	7.94	8.11	8.29	8.46	8.64	8.83	9.02	9.21	9.40	9.60	9.80
9.2	8.06	8.23	8.41	8.59	8.77	8.96	9.15	9.34	9.54	9.74	9.94
9.4	8.18	8.35	8.53	8.71	8.90	9.09	9.28	9.47	9.67	9.88	10.08
9.6	8.30	8.47	8.65	8.83	9.01	9.20	9.39	9.58	9.78	9.99	10.20
9.8	8.42	8.60	8.78	8.96	9.15	9.34	9.53	9.72	9.92	10.13	10.34
10.0	8.54	8.72	8.91	9.09	9.29	9.48	9.68	9.88	10.08	10.29	10.50
10.2	8.66	8.85	9.03	9.22	9.42	9.62	9.82	10.02	10.23	10.44	10.65
10.4	8.79	8.97	9.16	9.35	9.55	9.75	9.96	10.16	10.37	10.58	10.79
10.6	8.91	9.10	9.29	9.48	9.68	9.89	10.09	10.30	10.51	10.72	10.93
10.8	9.04	9.23	9.43	9.63	9.83	10.03	10.24	10.45	10.66	10.87	11.08
11.0	9.17	9.36	9.56	9.76	9.97	10.17	10.39	10.60	10.82	11.04	11.26
11.2	9.30	9.50	9.69	9.89	10.09	10.29	10.51	10.73	10.95	11.17	11.39
11.4	9.43	9.63	9.83	10.03	10.23	10.44	10.66	10.88	11.10	11.33	11.56
11.6	9.56	9.77	9.97	10.17	10.37	10.58	10.80	11.02	11.24	11.47	11.70
11.8	9.70	9.90	10.11	10.32	10.53	10.74	10.96	11.18	11.40	11.63	11.86
12.0	9.84	10.04	10.25	10.47	10.68	10.90	11.13	11.36	11.59	11.83	12.07
12.2	9.97	10.18	10.39	10.61	10.83	11.06	11.28	11.52	11.75	11.99	12.24
12.4	10.11	10.33	10.55	10.77	10.99	11.22	11.46	11.70	11.94	12.19	12.44
12.6	10.25	10.47	10.69	10.91	11.13	11.37	11.61	11.85	12.09	12.34	12.59
12.8	10.40	10.62	10.84	11.06	11.28	11.52	11.76	12.00	12.24	12.49	12.74
13.0	10.54	10.77	10.99	11.21	11.43	11.67	11.91	12.15	12.39	12.64	12.89
13.2	10.69	10.92	11.14	11.36	11.58	11.82	12.06	12.30	12.54	12.79	13.04
13.4	10.84	11.07	11.29	11.51	11.73	11.97	12.21	12.45	12.69	12.94	13.19
13.6	10.99	11.22	11.44	11.66	11.88	12.12	12.36	12.60	12.84	13.09	13.34
13.8	11.14	11.37	11.59	11.81	12.03	12.27	12.51	12.75	12.99	13.24	13.49
14.0	11.29	11.52	11.74	11.96	12.18	12.42	12.66	12.90	13.14	13.39	13.64

TABLE A-1 CONTINUED

TEMP DEG C	8.70	8.71	8.72	8.73	8.74	PH 8.75	8.76	8.77	8.78	8.79	8.80
14.0	11.3	11.5	11.8	12.0	12.2	5.1	7.0	13.0	13.3	13.5	13.8
14.2	11.4	11.7	11.9	12.2	12.4	5.0	6.9	12.9	13.2	13.4	13.7
14.4	11.6	11.9	12.1	12.4	12.6	4.9	6.8	12.8	13.1	13.3	13.6
14.6	11.7	12.0	12.2	12.5	12.7	4.8	6.7	12.7	13.0	13.2	13.5
14.8	11.9	12.2	12.4	12.7	12.9	4.7	6.6	12.6	12.9	13.1	13.4
15.0	12.1	12.4	12.6	12.9	13.1	4.6	6.5	12.5	12.8	13.0	13.3
15.2	12.4	12.7	12.9	13.2	13.4	4.5	6.4	12.4	12.7	12.9	13.2
15.4	12.6	12.9	13.1	13.4	13.6	4.4	6.3	12.3	12.6	12.8	13.1
15.6	12.9	13.2	13.4	13.7	13.9	4.3	6.2	12.2	12.5	12.7	13.0
16.0	13.3	13.6	13.8	14.1	14.3	4.2	6.1	12.1	12.4	12.6	12.9
16.2	13.5	13.8	14.0	14.3	14.5	4.1	6.0	12.0	12.3	12.5	12.8
16.4	13.7	14.0	14.2	14.5	14.7	4.0	5.9	11.9	12.2	12.4	12.7
16.6	13.9	14.2	14.4	14.7	14.9	3.9	5.8	11.8	12.1	12.3	12.6
16.8	14.1	14.4	14.6	14.9	15.1	3.8	5.7	11.7	12.0	12.2	12.5
17.0	14.3	14.6	14.8	15.1	15.3	3.7	5.6	11.6	11.9	12.1	12.4
17.2	14.5	14.8	15.0	15.3	15.5	3.6	5.5	11.5	11.8	12.0	12.3
17.4	14.7	15.0	15.2	15.5	15.7	3.5	5.4	11.4	11.7	11.9	12.2
17.6	14.9	15.2	15.4	15.7	15.9	3.4	5.3	11.3	11.6	11.8	12.1
17.8	15.1	15.4	15.6	15.9	16.1	3.3	5.2	11.2	11.5	11.7	12.0
18.0	15.3	15.6	15.8	16.1	16.3	3.2	5.1	11.1	11.4	11.6	11.9
18.2	15.5	15.8	16.0	16.3	16.5	3.1	5.0	11.0	11.3	11.5	11.8
18.4	15.7	16.0	16.2	16.5	16.7	3.0	4.9	10.9	11.2	11.4	11.7
18.6	15.9	16.2	16.4	16.7	16.9	2.9	4.8	10.8	11.1	11.3	11.6
18.8	16.1	16.4	16.6	16.9	17.1	2.8	4.7	10.7	11.0	11.2	11.5
19.0	16.3	16.6	16.8	17.1	17.3	2.7	4.6	10.6	10.9	11.1	11.4
19.2	16.5	16.8	17.0	17.3	17.5	2.6	4.5	10.5	10.8	11.0	11.3
19.4	16.7	17.0	17.2	17.5	17.7	2.5	4.4	10.4	10.7	10.9	11.2
19.6	16.9	17.2	17.4	17.7	17.9	2.4	4.3	10.3	10.6	10.8	11.1
19.8	17.1	17.4	17.6	17.9	18.1	2.3	4.2	10.2	10.5	10.7	11.0
20.0	17.3	17.6	17.8	18.1	18.3	2.2	4.1	10.1	10.4	10.6	10.9
20.2	17.5	17.8	18.0	18.3	18.5	2.1	4.0	10.0	10.3	10.5	10.8
20.4	17.7	18.0	18.2	18.5	18.7	2.0	3.9	9.9	10.2	10.4	10.7
20.6	17.9	18.2	18.4	18.7	18.9	1.9	3.8	9.8	10.1	10.3	10.6
20.8	18.1	18.4	18.6	18.9	19.1	1.8	3.7	9.7	10.0	10.2	10.5
21.0	18.3	18.6	18.8	19.1	19.3	1.7	3.6	9.6	9.9	10.1	10.4

TABLE A-1 CONTINUED

TEMP DEG C	8.70	8.71	8.72	8.73	8.74	PH 8.75	8.76	8.77	8.78	8.79	8.80
21.0	17.6	18.0	18.3	18.7	19.0	19.4	19.7	20.1	20.5	20.8	21.1
21.1	17.8	18.2	18.5	18.9	19.2	19.6	19.9	20.3	20.7	21.0	21.3
21.2	18.1	18.4	18.7	19.1	19.4	19.8	20.1	20.5	20.9	21.2	21.5
21.3	18.3	18.6	18.9	19.3	19.6	20.0	20.3	20.7	21.1	21.4	21.7
21.4	18.5	18.8	19.1	19.5	19.8	20.2	20.5	20.9	21.3	21.6	21.9
21.5	18.7	19.0	19.3	19.7	20.0	20.4	20.7	21.1	21.5	21.8	22.1
22.0	18.9	19.2	19.5	19.9	20.2	20.6	20.9	21.3	21.7	22.0	22.3
22.1	19.1	19.4	19.7	20.1	20.4	20.8	21.1	21.5	21.9	22.2	22.5
22.2	19.3	19.6	19.9	20.3	20.6	21.0	21.3	21.7	22.1	22.4	22.7
22.3	19.5	19.8	20.1	20.5	20.8	21.2	21.5	21.9	22.3	22.6	22.9
22.4	19.7	20.0	20.3	20.7	21.0	21.4	21.7	22.1	22.5	22.8	23.1
23.0	20.1	20.4	20.7	21.1	21.4	21.8	22.1	22.5	22.9	23.2	23.5
23.1	20.3	20.6	20.9	21.3	21.6	22.0	22.3	22.7	23.1	23.4	23.7
23.2	20.5	20.8	21.1	21.5	21.8	22.2	22.5	22.9	23.3	23.6	23.9
23.3	20.7	21.0	21.3	21.7	22.0	22.4	22.7	23.1	23.5	23.8	24.1
23.4	20.9	21.2	21.5	21.9	22.2	22.6	22.9	23.3	23.7	24.0	24.3
24.0	21.3	21.6	21.9	22.3	22.6	23.0	23.3	23.7	24.1	24.4	24.7
24.1	21.5	21.8	22.1	22.5	22.8	23.2	23.5	23.9	24.3	24.6	24.9
24.2	21.7	22.0	22.3	22.7	23.0	23.4	23.7	24.1	24.5	24.8	25.1
24.3	21.9	22.2	22.5	22.9	23.2	23.6	23.9	24.3	24.7	25.0	25.3
24.4	22.1	22.4	22.7	23.1	23.4	23.8	24.1	24.5	24.9	25.2	25.5
24.5	22.3	22.6	22.9	23.3	23.6	24.0	24.3	24.7	25.1	25.4	25.7
24.6	22.5	22.8	23.1	23.5	23.8	24.2	24.5	24.9	25.3	25.6	25.9
24.7	22.7	23.0	23.3	23.7	24.0	24.4	24.7	25.1	25.5	25.8	26.1
24.8	22.9	23.2	23.5	23.9	24.2	24.6	24.9	25.3	25.7	26.0	26.3
24.9	23.1	23.4	23.7	24.1	24.4	24.8	25.1	25.5	25.9	26.2	26.5
25.0	23.3	23.6	23.9	24.3	24.6	25.0	25.3	25.7	26.1	26.4	26.7
25.1	23.5	23.8	24.1	24.5	24.8	25.2	25.5	25.9	26.3	26.6	26.9
25.2	23.7	24.0	24.3	24.7	25.0	25.4	25.7	26.1	26.5	26.8	27.1
25.3	23.9	24.2	24.5	24.9	25.2	25.6	25.9	26.3	26.7	27.0	27.3
25.4	24.1	24.4	24.7	25.1	25.4	25.8	26.1	26.5	26.9	27.2	27.5
25.5	24.3	24.6	24.9	25.3	25.6	26.0	26.3	26.7	27.1	27.4	27.7
25.6	24.5	24.8	25.1	25.5	25.8	26.2	26.5	26.9	27.3	27.6	27.9
25.7	24.7	25.0	25.3	25.7	26.0	26.4	26.7	27.1	27.5	27.8	28.1
25.8	24.9	25.2	25.5	25.9	26.2	26.6	26.9	27.3	27.7	28.0	28.3
25.9	25.1	25.4	25.7	26.1	26.4	26.8	27.1	27.5	27.9	28.2	28.5
26.0	25.3	25.6	25.9	26.3	26.6	27.0	27.3	27.7	28.1	28.4	28.7
26.1	25.5	25.8	26.1	26.5	26.8	27.2	27.5	27.9	28.3	28.6	28.9
26.2	25.7	26.0	26.3	26.7	27.0	27.4	27.7	28.1	28.5	28.8	29.1
26.3	25.9	26.2	26.5	26.9	27.2	27.6	27.9	28.3	28.7	29.0	29.3
26.4	26.1	26.4	26.7	27.1	27.4	27.8	28.1	28.5	28.9	29.2	29.5
26.5	26.3	26.6	26.9	27.3	27.6	28.0	28.3	28.7	29.1	29.4	29.7
26.6	26.5	26.8	27.1	27.5	27.8	28.2	28.5	28.9	29.3	29.6	29.9
26.7	26.7	27.0	27.3	27.7	28.0	28.4	28.7	29.1	29.5	29.8	30.1
26.8	26.9	27.2	27.5	27.9	28.2	28.6	28.9	29.3	29.7	30.0	30.3
26.9	27.1	27.4	27.7	28.1	28.4	28.8	29.1	29.5	29.9	30.2	30.5
27.0	27.3	27.6	27.9	28.3	28.6	29.0	29.3	29.7	30.1	30.4	30.7
27.1	27.5	27.8	28.1	28.5	28.8	29.2	29.5	29.9	30.3	30.6	30.9
27.2	27.7	28.0	28.3	28.7	29.0	29.4	29.7	30.1	30.5	30.8	31.1
27.3	27.9	28.2	28.5	28.9	29.2	29.6	29.9	30.3	30.7	31.0	31.3
27.4	28.1	28.4	28.7	29.1	29.4	29.8	30.1	30.5	30.9	31.2	31.5
27.5	28.3	28.6	28.9	29.3	29.6	30.0	30.3	30.7	31.1	31.4	31.7
27.6	28.5	28.8	29.1	29.5	29.8	30.2	30.5	30.9	31.3	31.6	31.9
27.7	28.7	29.0	29.3	29.7	30.0	30.4	30.7	31.1	31.5	31.8	32.1
27.8	28.9	29.2	29.5	29.9	30.2	30.6	30.9	31.3	31.7	32.0	32.3
27.9	29.1	29.4	29.7	30.1	30.4	30.8	31.1	31.5	31.9	32.2	32.5
28.0	29.3	29.6	29.9	30.3	30.6	31.0	31.3	31.7	32.1	32.4	32.7

TABLE A-1 CONTINUED

TABLE PAGE 227

TEMP DEG C	8.70	8.71	8.72	8.73	8.74	PH 8.75	8.76	8.77	8.78	8.79	8.80
28.0	26.0	26.5	26.9	27.4	27.8	28.3	28.8	29.2	29.7	30.2	30.7
28.2	26.3	26.7	27.2	27.7	28.1	28.6	29.0	29.5	30.0	30.5	31.0
28.4	26.6	27.0	27.5	28.0	28.4	28.9	29.3	29.8	30.3	30.8	31.3
28.6	26.8	27.3	27.8	28.3	28.7	29.2	29.6	30.1	30.6	31.1	31.6
28.8	27.1	27.6	28.1	28.6	29.0	29.5	29.9	30.4	30.9	31.4	31.9
29.0	27.4	27.9	28.4	28.9	29.3	29.8	30.3	30.8	31.3	31.8	32.3
29.2	27.7	28.2	28.7	29.2	29.6	30.1	30.6	31.1	31.6	32.1	32.6
29.4	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0
29.6	28.3	28.8	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3
29.8	28.6	29.1	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6
30.0	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9
30.2	29.2	29.7	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2
30.4	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5
30.6	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8
30.8	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1
31.0	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4
31.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7
31.4	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0
31.6	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3
31.8	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6
32.0	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9
32.2	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2
32.4	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5
32.6	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8
32.8	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1
33.0	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4
33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7
33.4	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0
33.6	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3
33.8	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6
34.0	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9
34.2	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2
34.4	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5
34.6	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8
34.8	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1
35.0	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4

TABLE A-1 CONTINUED

TABLE PAGE 228

TEMP DEG C	8.70	8.71	8.72	8.73	8.74	PH 8.75	8.76	8.77	8.78	8.79	8.80
35.0	36.1	36.6	37.2	37.7	38.2	38.8	39.3	39.9	40.4	41.0	41.6
35.2	36.7	37.2	37.8	38.3	38.8	39.4	39.9	40.5	41.1	41.6	42.2
35.4	37.0	37.5	38.1	38.6	39.1	39.7	40.2	40.8	41.4	41.9	42.5
35.6	37.3	37.8	38.4	38.9	39.4	40.0	40.5	41.1	41.7	42.2	42.8
35.8	37.6	38.2	38.7	39.2	39.7	40.3	40.8	41.5	42.0	42.6	43.2
36.0	37.9	38.5	39.0	39.5	40.0	40.6	41.1	41.8	42.4	43.0	43.6
36.2	38.2	38.8	39.3	39.8	40.3	40.9	41.4	42.1	42.7	43.3	43.9
36.4	38.5	39.1	39.6	40.1	40.6	41.2	41.7	42.4	43.0	43.6	44.2
36.6	38.8	39.4	39.9	40.4	40.9	41.5	42.0	42.7	43.3	43.9	44.5
36.8	39.1	39.7	40.2	40.7	41.2	41.8	42.3	43.0	43.6	44.2	44.8
37.0	39.4	40.0	40.5	41.0	41.5	42.1	42.6	43.3	43.9	44.5	45.1
37.2	39.7	40.3	40.8	41.3	41.8	42.4	42.9	43.6	44.2	44.8	45.4
37.4	40.0	40.6	41.1	41.6	42.1	42.7	43.2	43.9	44.5	45.1	45.7
37.6	40.3	40.9	41.4	41.9	42.4	43.0	43.5	44.2	44.8	45.4	46.0
37.8	40.6	41.2	41.7	42.2	42.7	43.3	43.8	44.5	45.1	45.7	46.3
38.0	40.9	41.5	42.0	42.5	43.0	43.6	44.1	44.8	45.4	46.0	46.6
38.2	41.2	41.8	42.3	42.8	43.3	43.9	44.4	45.1	45.7	46.3	46.9
38.4	41.5	42.1	42.6	43.1	43.6	44.2	44.7	45.4	46.0	46.6	47.2
38.6	41.8	42.4	42.9	43.4	43.9	44.5	45.0	45.7	46.3	46.9	47.5
38.8	42.1	42.7	43.2	43.7	44.2	44.8	45.3	46.0	46.6	47.2	47.8
39.0	42.4	43.0	43.5	44.0	44.5	45.1	45.6	46.3	46.9	47.5	48.1
39.2	42.7	43.3	43.8	44.3	44.8	45.4	45.9	46.6	47.2	47.8	48.4
39.4	43.0	43.6	44.1	44.6	45.1	45.7	46.2	46.9	47.5	48.1	48.7
39.6	43.3	43.9	44.4	44.9	45.4	46.0	46.5	47.2	47.8	48.4	49.0
39.8	43.6	44.2	44.7	45.2	45.7	46.3	46.8	47.5	48.1	48.7	49.3
40.0	43.9	44.5	45.0	45.5	46.0	46.6	47.1	47.8	48.4	49.0	49.6

TABLE A-1 CONTINUED

TABLE PAGE 229

TEMP DEG C	8.80	8.81	8.82	8.83	8.84	PH	8.86	8.87	8.88	8.89	8.90
0	4.96	5.07	5.18	5.29	5.41	5.53	5.64	5.78	5.90	6.03	6.16
1	5.04	5.15	5.26	5.38	5.50	5.62	5.74	5.87	6.00	6.13	6.26
2	5.12	5.23	5.35	5.47	5.59	5.71	5.83	5.96	6.09	6.22	6.36
3	5.20	5.32	5.43	5.55	5.67	5.80	5.92	6.05	6.19	6.32	6.46
4	5.28	5.40	5.52	5.64	5.76	5.89	6.02	6.15	6.29	6.42	6.57
5	5.37	5.49	5.61	5.73	5.86	5.98	6.11	6.25	6.39	6.52	6.67
6	5.45	5.57	5.70	5.82	5.95	6.08	6.21	6.35	6.49	6.63	6.78
7	5.54	5.66	5.79	5.91	6.04	6.17	6.31	6.45	6.59	6.73	6.88
8	5.63	5.75	5.88	6.01	6.14	6.27	6.41	6.55	6.69	6.84	6.99
9	5.71	5.84	5.97	6.10	6.23	6.37	6.51	6.66	6.80	6.95	7.10
10	5.81	5.94	6.07	6.20	6.33	6.47	6.61	6.76	6.90	7.05	7.20
11	5.90	6.03	6.16	6.29	6.43	6.57	6.71	6.86	7.01	7.16	7.32
12	5.99	6.12	6.26	6.39	6.53	6.67	6.82	6.97	7.12	7.28	7.43
13	6.08	6.22	6.35	6.49	6.63	6.78	6.93	7.07	7.23	7.38	7.54
14	6.18	6.32	6.45	6.59	6.74	6.89	7.04	7.19	7.34	7.50	7.68
15	6.28	6.41	6.55	6.70	6.84	6.99	7.14	7.29	7.45	7.61	7.78
16	6.37	6.51	6.66	6.80	6.95	7.10	7.25	7.41	7.58	7.73	7.90
17	6.47	6.61	6.76	6.90	7.05	7.21	7.36	7.52	7.69	7.85	8.02
18	6.57	6.72	6.87	7.01	7.17	7.33	7.49	7.65	7.82	7.99	8.16
19	6.68	6.82	6.97	7.12	7.27	7.43	7.59	7.75	7.92	8.09	8.26
20	6.78	6.92	7.07	7.23	7.38	7.54	7.70	7.87	8.04	8.21	8.39
21	6.88	7.03	7.18	7.34	7.50	7.67	7.84	8.01	8.18	8.35	8.54
22	6.99	7.14	7.29	7.45	7.61	7.78	7.95	8.12	8.29	8.46	8.65
23	7.09	7.25	7.40	7.56	7.73	7.90	8.07	8.24	8.41	8.58	8.77
24	7.20	7.36	7.53	7.69	7.86	8.03	8.20	8.37	8.54	8.71	8.90
25	7.31	7.47	7.63	7.79	7.96	8.13	8.30	8.47	8.64	8.81	9.00
26	7.42	7.58	7.74	7.91	8.08	8.25	8.43	8.61	8.79	8.98	9.17
27	7.53	7.70	7.86	8.03	8.20	8.38	8.55	8.74	8.92	9.11	9.30
28	7.65	7.81	7.98	8.15	8.32	8.50	8.68	8.87	9.05	9.25	9.48
29	7.76	7.93	8.10	8.27	8.45	8.63	8.81	8.99	9.18	9.38	9.62
30	7.88	8.05	8.22	8.39	8.57	8.76	8.94	9.13	9.32	9.52	9.72
31	8.00	8.17	8.34	8.52	8.70	8.89	9.07	9.26	9.46	9.66	9.86
32	8.12	8.29	8.47	8.65	8.83	9.02	9.21	9.40	9.60	9.80	10.01
33	8.24	8.41	8.59	8.77	8.95	9.14	9.33	9.52	9.72	9.92	10.13
34	8.36	8.54	8.72	8.90	9.09	9.28	9.47	9.66	9.86	10.06	10.27

TABLE A-1 CONTINUED

TABLE PAGE 230

TEMP DEG C	8.80	8.81	8.82	8.83	8.84	PH 85	8.86	8.87	8.88	8.89	8.90
7.0	8.48	8.66	8.85	9.03	9.22	9.42	9.62	9.82	10.03	10.23	10.45
7.2	8.61	8.79	8.98	9.17	9.36	9.56	9.76	9.96	10.17	10.38	10.60
7.4	8.73	8.92	9.11	9.30	9.50	9.70	9.90	10.10	10.31	10.52	10.75
7.6	8.86	9.05	9.24	9.44	9.63	9.84	10.04	10.24	10.45	10.66	10.91
7.8	8.99	9.18	9.37	9.57	9.77	9.98	10.18	10.38	10.59	10.80	11.02
8.0	9.12	9.31	9.51	9.71	9.91	10.12	10.33	10.55	10.77	11.00	11.22
8.2	9.25	9.45	9.65	9.85	10.06	10.27	10.48	10.70	10.93	11.15	11.38
8.4	9.39	9.59	9.79	9.99	10.20	10.41	10.63	10.85	11.08	11.31	11.54
8.6	9.52	9.72	9.93	10.14	10.35	10.56	10.78	11.01	11.23	11.46	11.70
8.8	9.66	9.86	10.07	10.28	10.50	10.71	10.94	11.17	11.39	11.63	11.87
9.0	9.80	10.01	10.21	10.43	10.64	10.85	11.09	11.32	11.55	11.79	12.03
9.2	9.94	10.15	10.36	10.58	10.80	11.02	11.24	11.48	11.72	11.96	12.20
9.4	10.12	10.34	10.57	10.79	11.01	11.23	11.46	11.70	11.94	12.18	12.42
9.6	10.24	10.47	10.70	10.92	11.14	11.37	11.60	11.84	12.08	12.32	12.57
9.8	10.45	10.67	10.90	11.12	11.34	11.57	11.79	12.03	12.27	12.51	12.76
10.0	10.7	10.9	11.1	11.3	11.5	11.7	12.0	12.3	12.6	12.9	13.2
10.2	10.80	11.02	11.24	11.46	11.68	11.90	12.13	12.36	12.59	12.82	13.06
10.4	11.01	11.23	11.45	11.67	11.89	12.11	12.34	12.57	12.80	13.03	13.27
10.6	11.13	11.35	11.57	11.79	12.01	12.23	12.46	12.69	12.92	13.15	13.39
10.8	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.7	12.9	13.2	13.4
11.0	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.9	13.1	13.4	13.6
11.2	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.1	13.3	13.6	13.8
11.4	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.3	13.5	13.8	14.0
11.6	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.5	13.7	14.0	14.2
11.8	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.7	13.9	14.2	14.4
12.0	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.9	14.1	14.4	14.6
12.2	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.1	14.3	14.6	14.8
12.4	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.3	14.5	14.8	15.0
12.6	13.0	13.2	13.4	13.6	13.8	14.0	14.2	14.5	14.7	15.0	15.2
12.8	13.2	13.4	13.6	13.8	14.0	14.2	14.4	14.7	14.9	15.2	15.4
13.0	13.4	13.6	13.8	14.0	14.2	14.4	14.6	14.9	15.1	15.4	15.6
13.2	13.6	13.8	14.0	14.2	14.4	14.6	14.8	15.1	15.3	15.6	15.8
13.4	13.8	14.0	14.2	14.4	14.6	14.8	15.0	15.3	15.5	15.8	16.0

TABLE A-1 CONTINUED

TEMP DEG C	8.80	8.81	8.82	8.83	8.84	PH 8.85	8.86	8.87	8.88	8.89	8.90
14.0	13.8	14.3	14.4	14.6	14.9	15.4	15.7	15.8	16.3	16.5	16.7
14.4	14.0	14.4	14.5	14.8	15.1	15.6	15.9	16.0	16.6	16.8	17.0
14.6	14.1	14.5	14.6	14.9	15.2	15.7	16.0	16.1	16.7	16.9	17.1
14.8	14.3	14.7	14.8	15.1	15.4	15.9	16.2	16.3	16.8	17.0	17.2
15.0	14.5	14.9	15.0	15.3	15.6	16.1	16.4	16.5	17.0	17.2	17.4
15.2	14.7	15.1	15.2	15.5	15.8	16.3	16.6	16.7	17.2	17.4	17.6
15.4	14.9	15.3	15.4	15.7	16.0	16.5	16.8	16.9	17.4	17.6	17.8
15.6	15.1	15.5	15.6	15.9	16.2	16.7	17.0	17.1	17.6	17.8	18.0
15.8	15.3	15.7	15.8	16.1	16.4	16.9	17.2	17.3	17.8	18.0	18.2
16.0	15.5	15.9	16.0	16.3	16.6	17.1	17.4	17.5	18.0	18.2	18.4
16.2	15.7	16.1	16.2	16.5	16.8	17.3	17.6	17.7	18.2	18.4	18.6
16.4	15.9	16.3	16.4	16.7	17.0	17.5	17.8	17.9	18.4	18.6	18.8
16.6	16.1	16.5	16.6	16.9	17.2	17.7	18.0	18.1	18.6	18.8	19.0
16.8	16.3	16.7	16.8	17.1	17.4	17.9	18.2	18.3	18.8	19.0	19.2
17.0	16.5	16.9	17.0	17.3	17.6	18.1	18.4	18.5	19.0	19.2	19.4
17.2	16.7	17.1	17.2	17.5	17.8	18.3	18.6	18.7	19.2	19.4	19.6
17.4	16.9	17.3	17.4	17.7	18.0	18.5	18.8	18.9	19.4	19.6	19.8
17.6	17.1	17.5	17.6	17.9	18.2	18.7	19.0	19.1	19.6	19.8	20.0
17.8	17.3	17.7	17.8	18.1	18.4	18.9	19.2	19.3	19.8	20.0	20.2
18.0	17.5	17.9	18.0	18.3	18.6	19.1	19.4	19.5	20.0	20.2	20.4
18.2	17.7	18.1	18.2	18.5	18.8	19.3	19.6	19.7	20.2	20.4	20.6
18.4	17.9	18.3	18.4	18.7	19.0	19.5	19.8	19.9	20.4	20.6	20.8
18.6	18.1	18.5	18.6	18.9	19.2	19.7	20.0	20.1	20.6	20.8	21.0
18.8	18.3	18.7	18.8	19.1	19.4	19.9	20.2	20.3	20.8	21.0	21.2
19.0	18.5	18.9	19.0	19.3	19.6	20.1	20.4	20.5	21.0	21.2	21.4
19.2	18.7	19.1	19.2	19.5	19.8	20.3	20.6	20.7	21.2	21.4	21.6
19.4	18.9	19.3	19.4	19.7	20.0	20.5	20.8	20.9	21.4	21.6	21.8
19.6	19.1	19.5	19.6	19.9	20.2	20.7	21.0	21.1	21.6	21.8	22.0
19.8	19.3	19.7	19.8	20.1	20.4	20.9	21.2	21.3	21.8	22.0	22.2
20.0	19.5	19.9	20.0	20.3	20.6	21.1	21.4	21.5	22.0	22.2	22.4
20.2	19.7	20.1	20.2	20.5	20.8	21.3	21.6	21.7	22.2	22.4	22.6
20.4	19.9	20.3	20.4	20.7	21.0	21.5	21.8	21.9	22.4	22.6	22.8
20.6	20.1	20.5	20.6	20.9	21.2	21.7	22.0	22.1	22.6	22.8	23.0
20.8	20.3	20.7	20.8	21.1	21.4	21.9	22.2	22.3	22.8	23.0	23.2
21.0	20.5	20.9	21.0	21.3	21.6	22.1	22.4	22.5	23.0	23.2	23.4
21.2	20.7	21.1	21.2	21.5	21.8	22.3	22.6	22.7	23.2	23.4	23.6
21.4	20.9	21.3	21.4	21.7	22.0	22.5	22.8	22.9	23.4	23.6	23.8
21.6	21.1	21.5	21.6	21.9	22.2	22.7	23.0	23.1	23.6	23.8	24.0
21.8	21.3	21.7	21.8	22.1	22.4	22.9	23.2	23.3	23.8	24.0	24.2
22.0	21.5	21.9	22.0	22.3	22.6	23.1	23.4	23.5	24.0	24.2	24.4
22.2	21.7	22.1	22.2	22.5	22.8	23.3	23.6	23.7	24.2	24.4	24.6
22.4	21.9	22.3	22.4	22.7	23.0	23.5	23.8	23.9	24.4	24.6	24.8
22.6	22.1	22.5	22.6	22.9	23.2	23.7	24.0	24.1	24.6	24.8	25.0
22.8	22.3	22.7	22.8	23.1	23.4	23.9	24.2	24.3	24.8	25.0	25.2
23.0	22.5	22.9	23.0	23.3	23.6	24.1	24.4	24.5	25.0	25.2	25.4
23.2	22.7	23.1	23.2	23.5	23.8	24.3	24.6	24.7	25.2	25.4	25.6
23.4	22.9	23.3	23.4	23.7	24.0	24.5	24.8	24.9	25.4	25.6	25.8
23.6	23.1	23.5	23.6	23.9	24.2	24.7	25.0	25.1	25.6	25.8	26.0
23.8	23.3	23.7	23.8	24.1	24.4	24.9	25.2	25.3	25.8	26.0	26.2
24.0	23.5	23.9	24.0	24.3	24.6	25.1	25.4	25.5	26.0	26.2	26.4
24.2	23.7	24.1	24.2	24.5	24.8	25.3	25.6	25.7	26.2	26.4	26.6
24.4	23.9	24.3	24.4	24.7	25.0	25.5	25.8	25.9	26.4	26.6	26.8
24.6	24.1	24.5	24.6	24.9	25.2	25.7	26.0	26.1	26.6	26.8	27.0
24.8	24.3	24.7	24.8	25.1	25.4	25.9	26.2	26.3	26.8	27.0	27.2
25.0	24.5	24.9	25.0	25.3	25.6	26.1	26.4	26.5	27.0	27.2	27.4
25.2	24.7	25.1	25.2	25.5	25.8	26.3	26.6	26.7	27.2	27.4	27.6
25.4	24.9	25.3	25.4	25.7	26.0	26.5	26.8	26.9	27.4	27.6	27.8
25.6	25.1	25.5	25.6	25.9	26.2	26.7	27.0	27.1	27.6	27.8	28.0
25.8	25.3	25.7	25.8	26.1	26.4	26.9	27.2	27.3	27.8	28.0	28.2
26.0	25.5	25.9	26.0	26.3	26.6	27.1	27.4	27.5	28.0	28.2	28.4
26.2	25.7	26.1	26.2	26.5	26.8	27.3	27.6	27.7	28.2	28.4	28.6
26.4	25.9	26.3	26.4	26.7	27.0	27.5	27.8	27.9	28.4	28.6	28.8
26.6	26.1	26.5	26.6	26.9	27.2	27.7	28.0	28.1	28.6	28.8	29.0
26.8	26.3	26.7	26.8	27.1	27.4	27.9	28.2	28.3	28.8	29.0	29.2
27.0	26.5	26.9	27.0	27.3	27.6	28.1	28.4	28.5	29.0	29.2	29.4
27.2	26.7	27.1	27.2	27.5	27.8	28.3	28.6	28.7	29.2	29.4	29.6
27.4	26.9	27.3	27.4	27.7	28.0	28.5	28.8	28.9	29.4	29.6	29.8
27.6	27.1	27.5	27.6	27.9	28.2	28.7	29.0	29.1	29.6	29.8	30.0
27.8	27.3	27.7	27.8	28.1	28.4	28.9	29.2	29.3	29.8	30.0	30.2
28.0	27.5	27.9	28.0	28.3	28.6	29.1	29.4	29.5	30.0	30.2	30.4
28.2	27.7	28.1	28.2	28.5	28.8	29.3	29.6	29.7	30.2	30.4	30.6
28.4	27.9	28.3	28.4	28.7	29.0	29.5	29.8	29.9	30.4	30.6	30.8
28.6	28.1	28.5	28.6	28.9	29.2	29.7	30.0	30.1	30.6	30.8	31.0
28.8	28.3	28.7	28.8	29.1	29.4	29.9	30.2	30.3	30.8	31.0	31.2
29.0	28.5	28.9	29.0	29.3	29.6	30.1	30.4	30.5	31.0	31.2	31.4
29.2	28.7	29.1	29.2	29.5	29.8	30.3	30.6	30.7	31.2	31.4	31.6
29.4	28.9	29.3	29.4	29.7	30.0	30.5	30.8	30.9	31.4	31.6	31.8
29.6	29.1	29.5	29.6	29.9	30.2	30.7	31.0	31.1	31.6	31.8	32.0
29.8	29.3	29.7	29.8	30.1	30.4	30.9	31.2	31.3	31.8	32.0	32.2
30.0	29.5	29.9	30.0	30.3	30.6	31.1	31.4	31.5	32.0	32.2	32.4
30.2	29.7	30.1	30.2	30.5	30.8	31.3	31.6	31.7	32.2	32.4	32.6
30.4	29.9	30.3	30.4	30.7	31.0	31.5	31.8	31.9	32.4	32.6	32.8
30.6	30.1	30.5	30.6	30.9	31.2	31.7	32.0	32.1	32.6	32.8	33.0
30.8	30.3	30.7	30.8	31.1	31.4	31.9	32.2	32.3	32.8	33.0	33.2
31.0	30.5	30.9	31.0	31.3	31.6	32.1	32.4	32.5	33.0	33.2	33.4
31.2	30.7	31.1	31.2	31.5	31.8	32.3	32.6	32.7	33.2	33.4	33.6
31.4	30.9	31.3	31.4	31.7	32.0	32.5	32.8	32.9	33.4	33.6	33.8
31.6	31.1	31.5	31.6	31.9	32.2	32.7	33.0	33.1	33.6	33.8	34.0
31.8	31.3	31.7	31.8	32.1	32.4	32.9	33.2	33.3	33.8	34.0	34.2
32.0	31.5	31.9	32.0	32.3	32.6	33.1	33.4	33.5	34.0	34.2	34.4
32.2	31.7	32.1	32.2	32.5	32.8	33.3	33.6	33.7	34.2	34.4	34.6
32.4	31.9	32.3	32.4	32.7	33.0	33.5	33.8	33.9	34.4	34.6	34.8
32.6	32.1	32.5	32.6	32.9	33.2	33.7	34.0	34.1	34.6	34.8	35.0
32.8	32.3	32.7	32.8	33.1	33.4	33.9	34.2	34.3	34.8	35.0	35.2
33.0	32.5	32.9	33.0	33.3	33.6	34.1	34.4	34.5	35.0	35.2	35.4
33.2	32.7	33.1	33.2	33.5	33.8	34.3	34.6	34.7	35.2	35.4	35.6
33.4	32.9	33.3	33.4	33.7	34.0	34.5	34.8	34.9	35.4	35.6	35.8
33.6	33.1	33.5	33.6	33.9	34.2	34.7	35.0	35.1	35.6	35.8	36.0
33.8	33.3	33.7	33.8	34.1	34.4	34.9	35.2	35.3	35.8	36.0	36.2
34.0	33.5	33.9	34.0	34.3	34.6	35.1	35.4	35.5	36.0	36.2	36.4
34.2	33.7	34.1	34.2	34.5	34.8	35.3	35.6	35.7	36.2	36.4	36.6
34.4	33.9	34.3	34.4	34.7	35.0	35.5	35.8	35.9	36.4	36.6	36.8
34.6	34.1	34.5	34.6	34.9	35.2	35.7	36.0	36.1	36.6	36.8	37.0
34.8	34.3	34.7	34.8	35.1	35.4	35.9	36.2	36.3	36.8	37.0	37.2
35.0	34.5	34.9	35.0	35.3	35.6	36.1	36.4	36.5	37.0	37.2	37.4
35.2	34.7	35.1	35.2	35.5	35.8	36.3	36.6	36.7	37.2	37.4	37.6
35.4	34.9	35.3	35.4	35.7	36.0	36.5	36.8	36.9	37.4	37.6	37.8

TABLE A-1 CONTINUED

TABLE PAGE 232

TEMP DEG C	8.80	8.81	8.82	8.83	8.84	PH 8.85	8.86	8.87	8.88	8.89	8.90
21.0	21.5	21.9	22.0	22.4	22.8	23.3	23.6	24.0	24.5	24.9	25.3
21.1	21.6	22.0	22.1	22.5	22.9	23.4	23.7	24.1	24.6	25.0	25.4
21.2	21.7	22.1	22.2	22.6	23.0	23.5	23.8	24.2	24.7	25.1	25.5
21.3	21.8	22.2	22.3	22.7	23.1	23.6	23.9	24.3	24.8	25.2	25.6
21.4	21.9	22.3	22.4	22.8	23.2	23.7	24.0	24.4	24.9	25.3	25.7
21.5	22.0	22.4	22.5	22.9	23.3	23.8	24.1	24.5	25.0	25.4	25.8
21.6	22.1	22.5	22.6	23.0	23.4	23.9	24.2	24.6	25.1	25.5	25.9
21.7	22.2	22.6	22.7	23.1	23.5	24.0	24.3	24.7	25.2	25.6	26.0
21.8	22.3	22.7	22.8	23.2	23.6	24.1	24.4	24.8	25.3	25.7	26.1
21.9	22.4	22.8	22.9	23.3	23.7	24.2	24.5	24.9	25.4	25.8	26.2
22.0	22.5	22.9	23.0	23.4	23.8	24.3	24.6	25.0	25.5	25.9	26.3
22.1	22.6	23.0	23.1	23.5	23.9	24.4	24.7	25.1	25.6	26.0	26.4
22.2	22.7	23.1	23.2	23.6	24.0	24.5	24.8	25.2	25.7	26.1	26.5
22.3	22.8	23.2	23.3	23.7	24.1	24.6	24.9	25.3	25.8	26.2	26.6
22.4	22.9	23.3	23.4	23.8	24.2	24.7	25.0	25.4	25.9	26.3	26.7
22.5	23.0	23.4	23.5	23.9	24.3	24.8	25.1	25.5	26.0	26.4	26.8
22.6	23.1	23.5	23.6	24.0	24.4	24.9	25.2	25.6	26.1	26.5	26.9
22.7	23.2	23.6	23.7	24.1	24.5	25.0	25.3	25.7	26.2	26.6	27.0
22.8	23.3	23.7	23.8	24.2	24.6	25.1	25.4	25.8	26.3	26.7	27.1
22.9	23.4	23.8	23.9	24.3	24.7	25.2	25.5	25.9	26.4	26.8	27.2
23.0	23.5	23.9	24.0	24.4	24.8	25.3	25.6	26.0	26.5	26.9	27.3
23.1	23.6	24.0	24.1	24.5	24.9	25.4	25.7	26.1	26.6	27.0	27.4
23.2	23.7	24.1	24.2	24.6	25.0	25.5	25.8	26.2	26.7	27.1	27.5
23.3	23.8	24.2	24.3	24.7	25.1	25.6	25.9	26.3	26.8	27.2	27.6
23.4	23.9	24.3	24.4	24.8	25.2	25.7	26.0	26.4	26.9	27.3	27.7
23.5	24.0	24.4	24.5	24.9	25.3	25.8	26.1	26.5	27.0	27.4	27.8
23.6	24.1	24.5	24.6	25.0	25.4	25.9	26.2	26.6	27.1	27.5	27.9
23.7	24.2	24.6	24.7	25.1	25.5	26.0	26.3	26.7	27.2	27.6	28.0
23.8	24.3	24.7	24.8	25.2	25.6	26.1	26.4	26.8	27.3	27.7	28.1
23.9	24.4	24.8	24.9	25.3	25.7	26.2	26.5	26.9	27.4	27.8	28.2
24.0	24.5	24.9	25.0	25.4	25.8	26.3	26.6	27.0	27.5	27.9	28.3
24.1	24.6	25.0	25.1	25.5	25.9	26.4	26.7	27.1	27.6	28.0	28.4
24.2	24.7	25.1	25.2	25.6	26.0	26.5	26.8	27.2	27.7	28.1	28.5
24.3	24.8	25.2	25.3	25.7	26.1	26.6	26.9	27.3	27.8	28.2	28.6
24.4	24.9	25.3	25.4	25.8	26.2	26.7	27.0	27.4	27.9	28.3	28.7
24.5	25.0	25.4	25.5	25.9	26.3	26.8	27.1	27.5	28.0	28.4	28.8
24.6	25.1	25.5	25.6	26.0	26.4	26.9	27.2	27.6	28.1	28.5	28.9
24.7	25.2	25.6	25.7	26.1	26.5	27.0	27.3	27.7	28.2	28.6	29.0
24.8	25.3	25.7	25.8	26.2	26.6	27.1	27.4	27.8	28.3	28.7	29.1
24.9	25.4	25.8	25.9	26.3	26.7	27.2	27.5	27.9	28.4	28.8	29.2
25.0	25.5	25.9	26.0	26.4	26.8	27.3	27.6	28.0	28.5	28.9	29.3
25.1	25.6	26.0	26.1	26.5	26.9	27.4	27.7	28.1	28.6	29.0	29.4
25.2	25.7	26.1	26.2	26.6	27.0	27.5	27.8	28.2	28.7	29.1	29.5
25.3	25.8	26.2	26.3	26.7	27.1	27.6	27.9	28.3	28.8	29.2	29.6
25.4	25.9	26.3	26.4	26.8	27.2	27.7	28.0	28.4	28.9	29.3	29.7
25.5	26.0	26.4	26.5	26.9	27.3	27.8	28.1	28.5	29.0	29.4	29.8
25.6	26.1	26.5	26.6	27.0	27.4	27.9	28.2	28.6	29.1	29.5	29.9
25.7	26.2	26.6	26.7	27.1	27.5	28.0	28.3	28.7	29.2	29.6	30.0
25.8	26.3	26.7	26.8	27.2	27.6	28.1	28.4	28.8	29.3	29.7	30.1
25.9	26.4	26.8	26.9	27.3	27.7	28.2	28.5	28.9	29.4	29.8	30.2
26.0	26.5	26.9	27.0	27.4	27.8	28.3	28.6	29.0	29.5	29.9	30.3
26.1	26.6	27.0	27.1	27.5	27.9	28.4	28.7	29.1	29.6	30.0	30.4
26.2	26.7	27.1	27.2	27.6	28.0	28.5	28.8	29.2	29.7	30.1	30.5
26.3	26.8	27.2	27.3	27.7	28.1	28.6	28.9	29.3	29.8	30.2	30.6
26.4	26.9	27.3	27.4	27.8	28.2	28.7	29.0	29.4	29.9	30.3	30.7
26.5	27.0	27.4	27.5	27.9	28.3	28.8	29.1	29.5	30.0	30.4	30.8
26.6	27.1	27.5	27.6	28.0	28.4	28.9	29.2	29.6	30.1	30.5	30.9
26.7	27.2	27.6	27.7	28.1	28.5	29.0	29.3	29.7	30.2	30.6	31.0
26.8	27.3	27.7	27.8	28.2	28.6	29.1	29.4	29.8	30.3	30.7	31.1
26.9	27.4	27.8	27.9	28.3	28.7	29.2	29.5	29.9	30.4	30.8	31.2
27.0	27.5	27.9	28.0	28.4	28.8	29.3	29.6	30.0	30.5	30.9	31.3
27.1	27.6	28.0	28.1	28.5	28.9	29.4	29.7	30.1	30.6	31.0	31.4
27.2	27.7	28.1	28.2	28.6	29.0	29.5	29.8	30.2	30.7	31.1	31.5
27.3	27.8	28.2	28.3	28.7	29.1	29.6	29.9	30.3	30.8	31.2	31.6
27.4	27.9	28.3	28.4	28.8	29.2	29.7	30.0	30.4	30.9	31.3	31.7
27.5	28.0	28.4	28.5	28.9	29.3	29.8	30.1	30.5	31.0	31.4	31.8
27.6	28.1	28.5	28.6	29.0	29.4	29.9	30.2	30.6	31.1	31.5	31.9
27.7	28.2	28.6	28.7	29.1	29.5	30.0	30.3	30.7	31.2	31.6	32.0
27.8	28.3	28.7	28.8	29.2	29.6	30.1	30.4	30.8	31.3	31.7	32.1
27.9	28.4	28.8	28.9	29.3	29.7	30.2	30.5	30.9	31.4	31.8	32.2
28.0	28.5	28.9	29.0	29.4	29.8	30.3	30.6	31.0	31.5	31.9	32.3
28.1	28.6	29.0	29.1	29.5	29.9	30.4	30.7	31.1	31.6	32.0	32.4
28.2	28.7	29.1	29.2	29.6	30.0	30.5	30.8	31.2	31.7	32.1	32.5
28.3	28.8	29.2	29.3	29.7	30.1	30.6	30.9	31.3	31.8	32.2	32.6
28.4	28.9	29.3	29.4	29.8	30.2	30.7	31.0	31.4	31.9	32.3	32.7
28.5	29.0	29.4	29.5	29.9	30.3	30.8	31.1	31.5	32.0	32.4	32.8
28.6	29.1	29.5	29.6	30.0	30.4	30.9	31.2	31.6	32.1	32.5	32.9
28.7	29.2	29.6	29.7	30.1	30.5	31.0	31.3	31.7	32.2	32.6	33.0
28.8	29.3	29.7	29.8	30.2	30.6	31.1	31.4	31.8	32.3	32.7	33.1
28.9	29.4	29.8	29.9	30.3	30.7	31.2	31.5	31.9	32.4	32.8	33.2
29.0	29.5	29.9	30.0	30.4	30.8	31.3	31.6	32.0	32.5	32.9	33.3
29.1	29.6	30.0	30.1	30.5	30.9	31.4	31.7	32.1	32.6	33.0	33.4
29.2	29.7	30.1	30.2	30.6	31.0	31.5	31.8	32.2	32.7	33.1	33.5
29.3	29.8	30.2	30.3	30.7	31.1	31.6	31.9	32.3	32.8	33.2	33.6
29.4	29.9	30.3	30.4	30.8	31.2	31.7	32.0	32.4	32.9	33.3	33.7
29.5	30.0	30.4	30.5	30.9	31.3	31.8	32.1	32.5	33.0	33.4	33.8
29.6	30.1	30.5	30.6	31.0	31.4	31.9	32.2	32.6	33.1	33.5	33.9
29.7	30.2	30.6	30.7	31.1	31.5	32.0	32.3	32.7	33.2	33.6	34.0
29.8	30.3	30.7	30.8	31.2	31.6	32.1	32.4	32.8	33.3	33.7	34.1
29.9	30.4	30.8	30.9	31.3	31.7	32.2	32.5	32.9	33.4	33.8	34.2
30.0	30.5	30.9	31.0	31.4	31.8	32.3	32.6	33.0	33.5	33.9	34.3
30.1	30.6	31.0	31.1	31.5	31.9	32.4	32.7	33.1	33.6	34.0	34.4
30.2	30.7	31.1	31.2	31.6	32.0	32.5	32.8	33.2	33.7	34.1	34.5
30.3	30.8	31.2	31.3	31.7	32.1	32.6	32.9	33.3	33.8	34.2	34.6
30.4	30.9	31.3	31.4	31.8	32.2	32.7	33.0	33.4	33.9	34.3	34.7
30.5	31.0	31.4	31.5	31.9	32.3	32.8	33.1	33.5	34.0	34.4	34.8
30.6	31.1	31.5	31.6	32.0	32.4	32.9	33.2	33.6	34.1	34.5	34.9
30.7	31.2	31.6	31.7	32.1	32.5	33.0	33.3	33.7	34.2	34.6	35.0
30.8	31.3	31.7	31.8	32.2	32.6	33.1	33.4	33.8	34.3	34.7	35.1
30.9	31.4	31.8	31.9	32.3	32.7	33.2	33.5	33.9	34.4	34.8	35.2
31.0	31.5	31.9	32.0	32.4	32.8	33.3	33.6	34.0	34.5	34.9	35.3
31.1	31.6	32.0	32.1	32.5	32.9	33.4	33.7	34.1	34.6	35.0	35.4
31.2	31.7	32.1	32.2	32.6	33.0	33.5	33.8	34.2	34.7	35.1	35.5
31.3	31.8	32.2	32.3	32.7	33.1	33.6	33.9	34.3	34.8	35.2	35.6
31.4	31.9	32.3	32.4	32.8	33.2	33.7	34.0	34.4	34.9	35.3	35.7
31.5	32.0	32.4	32.5	32.9	33.3	33.8	34.1	34.5	35.0	35.4	35.8
31.6	32.1	32.5	32.6	33.0	33.4	33.9	34.2	3			

TABLE A-1 CONTINUED

TABLE PAGE 233

TEMP DEG C	8.80	8.81	8.82	8.83	8.84	PH 8.85	8.86	8.87	8.88	8.89	8.90
28.0	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.8
28.2	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.1
28.4	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.4
28.6	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.7
29.0	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.3
29.2	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.6
29.4	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.9
29.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.2
30.0	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.1
30.2	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.4
30.4	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.7
30.6	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	40.0
31.0	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.3
31.2	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.6
31.4	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.9
31.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.2
31.8	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.5
32.0	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.2	41.8
32.2	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.1
32.4	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.4
32.6	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.1	42.7
32.8	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4	41.9	42.4	43.0
33.0	38.2	38.7	39.2	39.7	40.2	40.7	41.2	41.7	42.2	42.7	43.3
33.2	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.6
33.4	38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.3	42.8	43.3	43.9
33.6	39.1	39.6	40.1	40.6	41.1	41.6	42.1	42.6	43.1	43.6	44.2
33.8	39.4	39.9	40.4	40.9	41.4	41.9	42.4	42.9	43.4	43.9	44.5
34.0	39.7	40.2	40.7	41.2	41.7	42.2	42.7	43.2	43.7	44.2	44.8
34.2	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.1
34.4	40.3	40.8	41.3	41.8	42.3	42.8	43.3	43.8	44.3	44.8	45.4
34.6	40.6	41.1	41.6	42.1	42.6	43.1	43.6	44.1	44.6	45.1	45.7
34.8	40.9	41.4	41.9	42.4	42.9	43.4	43.9	44.4	44.9	45.4	46.0
35.0	41.2	41.7	42.2	42.7	43.2	43.7	44.2	44.7	45.2	45.7	46.3

TABLE A-1 CONTINUED

TABLE PAGE 234

TEMP DEG C	8.80	8.81	8.82	8.83	8.84	PH 8.85	8.86	8.87	8.88	8.89	8.90
35.0	41.9	42.1	42.7	43.2	43.8	44.4	44.9	45.8	46.1	46.7	47.6
35.2	41.9	42.2	42.8	43.3	43.9	44.5	45.0	45.9	46.2	46.8	47.7
35.4	42.0	42.3	42.9	43.4	44.0	44.6	45.1	46.0	46.3	46.9	47.8
35.6	42.1	42.4	43.0	43.5	44.1	44.7	45.2	46.1	46.4	47.0	47.9
36.0	43.0	44.1	44.6	45.1	45.7	46.3	46.8	47.7	48.0	48.6	49.5
36.2	43.1	44.2	44.7	45.2	45.8	46.4	46.9	47.8	48.1	48.7	49.6
36.4	43.2	44.3	44.8	45.3	45.9	46.5	47.0	47.9	48.2	48.8	49.7
36.6	43.3	44.4	44.9	45.4	46.0	46.6	47.1	48.0	48.3	48.9	49.8
36.8	43.4	44.5	45.0	45.5	46.1	46.7	47.2	48.1	48.4	49.0	49.9
37.0	44.0	45.1	45.6	46.1	46.7	47.3	47.8	48.7	49.0	49.6	50.5
37.2	44.1	45.2	45.7	46.2	46.8	47.4	47.9	48.8	49.1	49.7	50.6
37.4	44.2	45.3	45.8	46.3	46.9	47.5	48.0	48.9	49.2	49.8	50.7
37.6	44.3	45.4	45.9	46.4	47.0	47.6	48.1	49.0	49.3	49.9	50.8
37.8	44.4	45.5	46.0	46.5	47.1	47.7	48.2	49.1	49.4	50.0	50.9
38.0	45.0	46.1	46.6	47.1	47.7	48.3	48.8	49.7	49.9	50.5	51.4
38.2	45.1	46.2	46.7	47.2	47.8	48.4	48.9	49.8	50.1	50.7	51.6
38.4	45.2	46.3	46.8	47.3	47.9	48.5	49.0	49.9	50.2	50.8	51.7
38.6	45.3	46.4	46.9	47.4	48.0	48.6	49.1	50.0	50.3	50.9	51.8
38.8	45.4	46.5	47.0	47.5	48.1	48.7	49.2	50.1	50.4	51.0	51.9
39.0	46.0	47.1	47.6	48.1	48.7	49.3	49.8	50.7	51.0	51.6	52.5
39.2	46.1	47.2	47.7	48.2	48.8	49.4	49.9	50.8	51.1	51.7	52.6
39.4	46.2	47.3	47.8	48.3	48.9	49.5	50.0	50.9	51.2	51.8	52.7
39.6	46.3	47.4	47.9	48.4	49.0	49.6	50.1	51.0	51.3	51.9	52.8
39.8	46.4	47.5	48.0	48.5	49.1	49.7	50.2	51.1	51.4	52.0	52.9
40.0	47.0	48.1	48.6	49.1	49.7	50.3	50.8	51.7	52.0	52.6	53.5

TABLE A-1 CONTINUED

TABLE PAGE 235

TEMP DEG C	8.90	8.91	8.92	8.93	8.94	PH 8.95	8.96	8.97	8.98	8.99	9.00
0	6.16	6.30	6.43	6.57	6.72	6.86	7.01	7.16	7.32	7.48	7.64
1	6.26	6.40	6.54	6.68	6.83	6.97	7.12	7.28	7.45	7.61	7.78
2	6.36	6.50	6.64	6.78	6.93	7.08	7.23	7.39	7.56	7.72	7.89
3	6.46	6.60	6.74	6.89	7.04	7.19	7.35	7.51	7.67	7.83	8.00
4	6.56	6.71	6.85	7.00	7.15	7.31	7.46	7.62	7.79	7.95	8.12
5	6.67	6.81	6.96	7.11	7.26	7.42	7.58	7.74	7.91	8.08	8.25
6	6.77	6.92	7.07	7.23	7.38	7.53	7.70	7.86	8.03	8.20	8.38
7	6.88	7.03	7.18	7.35	7.51	7.67	7.84	7.99	8.15	8.32	8.49
8	6.98	7.14	7.29	7.45	7.61	7.77	7.94	8.11	8.28	8.45	8.62
9	7.09	7.25	7.40	7.56	7.72	7.88	8.05	8.23	8.40	8.57	8.74
10	7.20	7.36	7.52	7.68	7.84	8.01	8.18	8.36	8.53	8.70	8.87
11	7.31	7.47	7.63	7.80	7.96	8.13	8.30	8.48	8.65	8.82	8.99
12	7.43	7.59	7.75	7.92	8.09	8.26	8.43	8.60	8.77	8.94	9.11
13	7.54	7.70	7.87	8.04	8.21	8.38	8.55	8.72	8.89	9.06	9.23
14	7.66	7.82	7.99	8.16	8.33	8.50	8.67	8.84	9.01	9.18	9.35
15	7.77	7.94	8.11	8.29	8.46	8.63	8.80	8.97	9.14	9.31	9.48
16	7.90	8.06	8.24	8.41	8.59	8.77	8.94	9.12	9.29	9.47	9.64
17	8.02	8.19	8.36	8.54	8.72	8.91	9.09	9.27	9.45	9.63	9.81
18	8.14	8.31	8.49	8.67	8.85	9.04	9.23	9.41	9.59	9.77	9.95
19	8.26	8.44	8.62	8.80	8.99	9.18	9.37	9.55	9.74	9.92	10.10
20	8.39	8.56	8.75	8.93	9.12	9.31	9.50	9.69	9.88	10.07	10.25
21	8.51	8.69	8.88	9.07	9.26	9.45	9.65	9.84	10.03	10.22	10.40
22	8.64	8.82	9.01	9.20	9.40	9.59	9.79	9.98	10.17	10.36	10.54
23	8.77	8.96	9.14	9.34	9.53	9.74	9.93	10.13	10.32	10.51	10.69
24	8.90	9.09	9.28	9.47	9.66	9.86	10.05	10.25	10.44	10.63	10.81
25	9.03	9.22	9.42	9.62	9.82	10.02	10.22	10.42	10.61	10.81	11.00
26	9.17	9.36	9.56	9.76	9.96	10.16	10.36	10.56	10.75	10.95	11.14
27	9.30	9.50	9.70	9.90	10.10	10.30	10.50	10.70	10.90	11.10	11.29
28	9.44	9.64	9.84	10.04	10.24	10.44	10.64	10.84	11.04	11.24	11.43
29	9.58	9.78	9.99	10.20	10.41	10.62	10.83	11.03	11.24	11.44	11.63
30	9.72	9.92	10.13	10.34	10.55	10.76	10.97	11.17	11.38	11.58	11.77
31	9.86	10.07	10.28	10.49	10.71	10.93	11.14	11.35	11.56	11.76	11.95
32	10.00	10.21	10.42	10.63	10.84	11.05	11.26	11.47	11.67	11.87	12.06
33	10.14	10.35	10.56	10.77	10.98	11.19	11.40	11.61	11.81	12.01	12.20
34	10.28	10.49	10.70	10.91	11.12	11.33	11.54	11.75	11.95	12.15	12.34
35	10.42	10.63	10.84	11.05	11.26	11.47	11.68	11.88	12.08	12.28	12.47
36	10.56	10.77	10.98	11.19	11.40	11.61	11.82	12.02	12.22	12.42	12.61
37	10.70	10.91	11.12	11.33	11.54	11.75	11.96	12.16	12.36	12.56	12.75
38	10.84	11.05	11.26	11.47	11.68	11.89	12.10	12.30	12.50	12.70	12.89
39	10.98	11.19	11.40	11.61	11.82	12.03	12.24	12.44	12.64	12.84	13.03
40	11.12	11.33	11.54	11.75	11.96	12.17	12.37	12.57	12.77	12.97	13.16
41	11.26	11.47	11.68	11.89	12.10	12.31	12.51	12.71	12.91	13.11	13.30
42	11.40	11.61	11.82	12.03	12.24	12.45	12.65	12.85	13.05	13.25	13.44
43	11.54	11.75	11.96	12.17	12.37	12.58	12.78	12.98	13.18	13.38	13.57
44	11.68	11.89	12.10	12.31	12.52	12.73	12.93	13.13	13.33	13.53	13.72
45	11.82	12.03	12.24	12.45	12.66	12.87	13.07	13.27	13.47	13.67	13.86
46	11.96	12.17	12.38	12.59	12.80	13.01	13.21	13.41	13.61	13.81	14.00
47	12.10	12.31	12.52	12.73	12.94	13.15	13.35	13.55	13.75	13.95	14.14
48	12.24	12.45	12.66	12.87	13.08	13.29	13.49	13.69	13.89	14.09	14.28
49	12.38	12.59	12.80	13.01	13.22	13.43	13.63	13.83	14.03	14.23	14.42
50	12.52	12.73	12.94	13.15	13.36	13.57	13.77	13.97	14.17	14.37	14.56
51	12.66	12.87	13.08	13.29	13.50	13.71	13.91	14.11	14.31	14.51	14.70
52	12.80	13.01	13.22	13.43	13.64	13.85	14.05	14.25	14.45	14.65	14.84
53	12.94	13.15	13.36	13.57	13.78	13.99	14.19	14.39	14.59	14.79	14.98
54	13.08	13.29	13.50	13.71	13.92	14.13	14.33	14.53	14.73	14.93	15.12
55	13.22	13.43	13.64	13.85	14.06	14.27	14.47	14.67	14.87	15.07	15.26
56	13.36	13.57	13.78	13.99	14.20	14.41	14.61	14.81	15.01	15.21	15.40
57	13.50	13.71	13.92	14.13	14.34	14.55	14.75	14.95	15.15	15.35	15.54
58	13.64	13.85	14.06	14.27	14.48	14.69	14.89	15.09	15.29	15.49	15.68
59	13.78	13.99	14.20	14.41	14.62	14.83	15.03	15.23	15.43	15.63	15.82
60	13.92	14.13	14.34	14.55	14.76	14.97	15.17	15.37	15.57	15.77	15.96
61	14.06	14.27	14.48	14.69	14.90	15.11	15.31	15.51	15.71	15.91	16.10
62	14.20	14.41	14.62	14.83	15.04	15.25	15.45	15.65	15.85	16.05	16.24
63	14.34	14.55	14.76	14.97	15.18	15.39	15.59	15.79	15.99	16.19	16.38
64	14.48	14.69	14.90	15.11	15.32	15.53	15.73	15.93	16.13	16.33	16.52
65	14.62	14.83	15.04	15.25	15.46	15.67	15.87	16.07	16.27	16.47	16.66
66	14.76	14.97	15.18	15.39	15.60	15.81	16.01	16.21	16.41	16.61	16.80
67	14.90	15.11	15.32	15.53	15.74	15.95	16.15	16.35	16.55	16.75	16.94
68	15.04	15.25	15.46	15.67	15.88	16.09	16.29	16.49	16.69	16.89	17.08
69	15.18	15.39	15.60	15.81	16.02	16.23	16.43	16.63	16.83	17.03	17.22
70	15.32	15.53	15.74	15.95	16.16	16.37	16.57	16.77	16.97	17.17	17.36
71	15.46	15.67	15.88	16.09	16.30	16.51	16.71	16.91	17.11	17.31	17.50
72	15.60	15.81	16.02	16.23	16.44	16.65	16.85	17.05	17.25	17.45	17.64
73	15.74	15.95	16.16	16.37	16.58	16.79	16.99	17.19	17.39	17.59	17.78
74	15.88	16.09	16.30	16.51	16.72	16.93	17.13	17.33	17.53	17.73	17.92
75	16.02	16.23	16.44	16.65	16.86	17.07	17.27	17.47	17.67	17.87	18.06
76	16.16	16.37	16.58	16.79	17.00	17.21	17.41	17.61	17.81	18.01	18.20
77	16.30	16.51	16.72	16.93	17.14	17.35	17.55	17.75	17.95	18.15	18.34
78	16.44	16.65	16.86	17.07	17.28	17.49	17.69	17.89	18.09	18.29	18.48
79	16.58	16.79	17.00	17.21	17.42	17.63	17.83	18.03	18.23	18.43	18.62
80	16.72	16.93	17.14	17.35	17.56	17.77	17.97	18.17	18.37	18.57	18.76
81	16.86	17.07	17.28	17.49	17.70	17.91	18.11	18.31	18.51	18.71	18.90
82	17.00	17.21	17.42	17.63	17.84	18.05	18.25	18.45	18.65	18.85	19.04
83	17.14	17.35	17.56	17.77	17.98	18.19	18.39	18.59	18.79	18.99	19.18
84	17.28	17.49	17.70	17.91	18.12	18.33	18.53	18.73	18.93	19.13	19.32
85	17.42	17.63	17.84	18.05	18.26	18.47	18.67	18.87	19.07	19.27	19.46
86	17.56	17.77	17.98	18.19	18.40	18.61	18.81	19.01	19.21	19.41	19.60
87	17.70	17.91	18.12	18.33	18.54	18.75	18.95	19.15	19.35	19.55	19.74
88	17.84	18.05	18.26	18.47	18.68	18.89	19.09	19.29	19.49	19.69	19.88
89	17.98	18.19	18.40	18.61	18.82	19.03	19.23	19.43	19.63	19.83	20.02
90	18.12	18.33	18.54	18.75	18.96	19.17	19.37	19.57	19.77	19.97	20.16
91	18.26	18.47	18.68	18.89	19.10	19.31	19.51	19.71	19.91	20.11	20.30
92	18.40	18.61	18.82	19.03	19.24	19.45	19.65	19.85	20.05	20.25	20.44
93	18.54	18.75	18.96	19.17	19.38	19.59	19.79	19.99	20.19	20.39	20.58
94	18.68	18.89	19.10	19.31	19.52	19.73	19.93	20.13	20.33	20.53	20.72
95	18.82	19.03	19.24	19.45	19.66	19.87	20.07	20.27	20.47	20.67	20.86
96	18.96	19.17	19.38	19.59	19.80	20.01	20.21	20.41	20.61	20.81	21.00
97	19.10	19.31	19.52	19.73	19.94	20.15	20.35	20.55	20.75	20.95	21.14
98	19.24	19.45	19.66	19.87	20.08	20.29	20.49	20.69	20.89	21.09	21.28
99	19.38	19.59	19.80	20.01	20.22	20.43	20.63	20.83	21.03	21.23	21.42
100	19.52	19.73	19.94	20.15	20.36	20.57	20.77	20.97	21.17	21.37	21.56

TABLE A-1 CONTINUED

TABLE PAGE 236

TEMP DEG C	8.90	8.91	8.92	8.93	8.94	PH 8.95	8.96	8.97	8.98	8.99	9.00
7.0	10.4	10.7	10.9	11.1	11.3	11.6	11.8	12.2	12.5	12.9	13.0
7.2	10.6	10.8	11.0	11.2	11.4	11.7	11.9	12.3	12.6	13.0	13.1
7.4	10.8	11.0	11.2	11.4	11.6	11.9	12.1	12.5	12.8	13.2	13.3
7.6	11.0	11.2	11.4	11.6	11.8	12.1	12.3	12.7	13.0	13.4	13.5
7.8	11.2	11.4	11.6	11.8	12.0	12.3	12.5	12.9	13.2	13.6	13.7
8.0	11.4	11.6	11.8	12.0	12.2	12.5	12.7	13.1	13.4	13.8	13.9
8.2	11.6	11.8	12.0	12.2	12.4	12.7	12.9	13.3	13.6	14.0	14.1
8.4	11.8	12.0	12.2	12.4	12.6	12.9	13.1	13.5	13.8	14.2	14.3
8.6	12.0	12.2	12.4	12.6	12.8	13.1	13.3	13.7	14.0	14.4	14.5
8.8	12.2	12.4	12.6	12.8	13.0	13.3	13.5	13.9	14.2	14.6	14.7
9.0	12.4	12.6	12.8	13.0	13.2	13.5	13.7	14.1	14.4	14.8	14.9
9.2	12.6	12.8	13.0	13.2	13.4	13.7	13.9	14.3	14.6	15.0	15.1
9.4	12.8	13.0	13.2	13.4	13.6	13.9	14.1	14.5	14.8	15.2	15.3
9.6	13.0	13.2	13.4	13.6	13.8	14.1	14.3	14.7	15.0	15.4	15.5
9.8	13.2	13.4	13.6	13.8	14.0	14.3	14.5	14.9	15.2	15.6	15.7
10.0	13.4	13.6	13.8	14.0	14.2	14.5	14.7	15.1	15.4	15.8	15.9
10.2	13.6	13.8	14.0	14.2	14.4	14.7	14.9	15.3	15.6	16.0	16.1
10.4	13.8	14.0	14.2	14.4	14.6	14.9	15.1	15.5	15.8	16.2	16.3
10.6	14.0	14.2	14.4	14.6	14.8	15.1	15.3	15.7	16.0	16.4	16.5
10.8	14.2	14.4	14.6	14.8	15.0	15.3	15.5	15.9	16.2	16.6	16.7
11.0	14.4	14.6	14.8	15.0	15.2	15.5	15.7	16.1	16.4	16.8	16.9
11.2	14.6	14.8	15.0	15.2	15.4	15.7	15.9	16.3	16.6	17.0	17.1
11.4	14.8	15.0	15.2	15.4	15.6	15.9	16.1	16.5	16.8	17.2	17.3
11.6	15.0	15.2	15.4	15.6	15.8	16.1	16.3	16.7	17.0	17.4	17.5
11.8	15.2	15.4	15.6	15.8	16.0	16.3	16.5	16.9	17.2	17.6	17.7
12.0	15.4	15.6	15.8	16.0	16.2	16.5	16.7	17.1	17.4	17.8	17.9
12.2	15.6	15.8	16.0	16.2	16.4	16.7	16.9	17.3	17.6	18.0	18.1
12.4	15.8	16.0	16.2	16.4	16.6	16.9	17.1	17.5	17.8	18.2	18.3
12.6	16.0	16.2	16.4	16.6	16.8	17.1	17.3	17.7	18.0	18.4	18.5
12.8	16.2	16.4	16.6	16.8	17.0	17.3	17.5	17.9	18.2	18.6	18.7
13.0	16.4	16.6	16.8	17.0	17.2	17.5	17.7	18.1	18.4	18.8	18.9
13.2	16.6	16.8	17.0	17.2	17.4	17.7	17.9	18.3	18.6	19.0	19.1
13.4	16.8	17.0	17.2	17.4	17.6	17.9	18.1	18.5	18.8	19.2	19.3
13.6	17.0	17.2	17.4	17.6	17.8	18.1	18.3	18.7	19.0	19.4	19.5
13.8	17.2	17.4	17.6	17.8	18.0	18.3	18.5	18.9	19.2	19.6	19.7
14.0	17.4	17.6	17.8	18.0	18.2	18.5	18.7	19.1	19.4	19.8	19.9

TABLE A-1 CONTINUED

TEMP DEG C	8.90	8.91	8.92	8.93	8.94	PH 8.95	8.96	8.97	8.98	8.99	9.00
14.0	16.0	17.1	17.4	17.8	18.1	18.4	18.0	19.1	19.5	19.9	20.5
14.2	17.0	17.5	17.6	18.0	18.3	18.7	19.3	19.7	20.0	20.1	20.7
14.4	17.2	17.8	17.9	18.2	18.5	18.9	19.5	19.9	20.2	20.3	20.9
14.6	17.4	18.0	18.1	18.4	18.7	19.1	19.7	20.0	20.3	20.4	21.0
14.8	17.6	18.2	18.3	18.6	18.9	19.3	19.9	20.2	20.5	20.6	21.2
15.0	17.8	18.4	18.5	18.8	19.1	19.5	20.1	20.4	20.7	20.8	21.4
15.2	18.0	18.6	18.7	19.0	19.3	19.7	20.3	20.6	20.9	21.0	21.6
15.4	18.2	18.8	18.9	19.2	19.5	19.9	20.5	20.8	21.1	21.2	21.8
15.6	18.4	19.0	19.1	19.4	19.7	20.1	20.7	21.0	21.3	21.4	22.0
15.8	18.6	19.2	19.3	19.6	19.9	20.3	20.9	21.2	21.5	21.6	22.2
16.0	18.8	19.4	19.5	19.8	20.1	20.5	21.1	21.4	21.7	21.8	22.4
16.2	19.0	19.6	19.7	20.0	20.3	20.7	21.3	21.6	21.9	22.0	22.6
16.4	19.2	19.8	19.9	20.2	20.5	20.9	21.5	21.8	22.1	22.2	22.8
16.6	19.4	20.0	20.1	20.4	20.7	21.1	21.7	22.0	22.3	22.4	23.0
16.8	19.6	20.2	20.3	20.6	20.9	21.3	21.9	22.2	22.5	22.6	23.2
17.0	19.8	20.4	20.5	20.8	21.1	21.5	22.1	22.4	22.7	22.8	23.4
17.2	20.0	20.6	20.7	21.0	21.3	21.7	22.3	22.6	22.9	23.0	23.6
17.4	20.2	20.8	20.9	21.2	21.5	21.9	22.5	22.8	23.1	23.2	23.8
17.6	20.4	21.0	21.1	21.4	21.7	22.1	22.7	23.0	23.3	23.4	24.0
17.8	20.6	21.2	21.3	21.6	21.9	22.3	22.9	23.2	23.5	23.6	24.2
18.0	20.8	21.4	21.5	21.8	22.1	22.5	23.1	23.4	23.7	23.8	24.4
18.2	21.0	21.6	21.7	22.0	22.3	22.7	23.3	23.6	23.9	24.0	24.6
18.4	21.2	21.8	21.9	22.2	22.5	22.9	23.5	23.8	24.1	24.2	24.8
18.6	21.4	22.0	22.1	22.4	22.7	23.1	23.7	24.0	24.3	24.4	25.0
18.8	21.6	22.2	22.3	22.6	22.9	23.3	23.9	24.2	24.5	24.6	25.2
19.0	21.8	22.4	22.5	22.8	23.1	23.5	24.1	24.4	24.7	24.8	25.4
19.2	22.0	22.6	22.7	23.0	23.3	23.7	24.3	24.6	24.9	25.0	25.6
19.4	22.2	22.8	22.9	23.2	23.5	23.9	24.5	24.8	25.1	25.2	25.8
19.6	22.4	23.0	23.1	23.4	23.7	24.1	24.7	25.0	25.3	25.4	26.0
19.8	22.6	23.2	23.3	23.6	23.9	24.3	24.9	25.2	25.5	25.6	26.2
20.0	22.8	23.4	23.5	23.8	24.1	24.5	25.1	25.4	25.7	25.8	26.4
20.2	23.0	23.6	23.7	24.0	24.3	24.7	25.3	25.6	25.9	26.0	26.6
20.4	23.2	23.8	23.9	24.2	24.5	24.9	25.5	25.8	26.1	26.2	26.8
20.6	23.4	24.0	24.1	24.4	24.7	25.1	25.7	26.0	26.3	26.4	27.0
20.8	23.6	24.2	24.3	24.6	24.9	25.3	25.9	26.2	26.5	26.6	27.2
21.0	23.8	24.4	24.5	24.8	25.1	25.5	26.1	26.4	26.7	26.8	27.4
21.2	24.0	24.6	24.7	25.0	25.3	25.7	26.3	26.6	26.9	27.0	27.6
21.4	24.2	24.8	24.9	25.2	25.5	25.9	26.5	26.8	27.1	27.2	27.8
21.6	24.4	25.0	25.1	25.4	25.7	26.1	26.7	27.0	27.3	27.4	28.0
21.8	24.6	25.2	25.3	25.6	25.9	26.3	26.9	27.2	27.5	27.6	28.2
22.0	24.8	25.4	25.5	25.8	26.1	26.5	27.1	27.4	27.7	27.8	28.4
22.2	25.0	25.6	25.7	26.0	26.3	26.7	27.3	27.6	27.9	28.0	28.6
22.4	25.2	25.8	25.9	26.2	26.5	26.9	27.5	27.8	28.1	28.2	28.8
22.6	25.4	26.0	26.1	26.4	26.7	27.1	27.7	28.0	28.3	28.4	29.0
22.8	25.6	26.2	26.3	26.6	26.9	27.3	27.9	28.2	28.5	28.6	29.2
23.0	25.8	26.4	26.5	26.8	27.1	27.5	28.1	28.4	28.7	28.8	29.4
23.2	26.0	26.6	26.7	27.0	27.3	27.7	28.3	28.6	28.9	29.0	29.6
23.4	26.2	26.8	26.9	27.2	27.5	27.9	28.5	28.8	29.1	29.2	29.8
23.6	26.4	27.0	27.1	27.4	27.7	28.1	28.7	29.0	29.3	29.4	30.0
23.8	26.6	27.2	27.3	27.6	27.9	28.3	28.9	29.2	29.5	29.6	30.2
24.0	26.8	27.4	27.5	27.8	28.1	28.5	29.1	29.4	29.7	29.8	30.4
24.2	27.0	27.6	27.7	28.0	28.3	28.7	29.3	29.6	29.9	30.0	30.6
24.4	27.2	27.8	27.9	28.2	28.5	28.9	29.5	29.8	30.1	30.2	30.8
24.6	27.4	28.0	28.1	28.4	28.7	29.1	29.7	30.0	30.3	30.4	31.0
24.8	27.6	28.2	28.3	28.6	28.9	29.3	29.9	30.2	30.5	30.6	31.2
25.0	27.8	28.4	28.5	28.8	29.1	29.5	30.1	30.4	30.7	30.8	31.4
25.2	28.0	28.6	28.7	29.0	29.3	29.7	30.3	30.6	30.9	31.0	31.6
25.4	28.2	28.8	28.9	29.2	29.5	29.9	30.5	30.8	31.1	31.2	31.8
25.6	28.4	29.0	29.1	29.4	29.7	30.1	30.7	31.0	31.3	31.4	32.0
25.8	28.6	29.2	29.3	29.6	29.9	30.3	30.9	31.2	31.5	31.6	32.2
26.0	28.8	29.4	29.5	29.8	30.1	30.5	31.1	31.4	31.7	31.8	32.4
26.2	29.0	29.6	29.7	30.0	30.3	30.7	31.3	31.6	31.9	32.0	32.6
26.4	29.2	29.8	29.9	30.2	30.5	30.9	31.5	31.8	32.1	32.2	32.8
26.6	29.4	30.0	30.1	30.4	30.7	31.1	31.7	32.0	32.3	32.4	33.0
26.8	29.6	30.2	30.3	30.6	30.9	31.3	31.9	32.2	32.5	32.6	33.2
27.0	29.8	30.4	30.5	30.8	31.1	31.5	32.1	32.4	32.7	32.8	33.4
27.2	30.0	30.6	30.7	31.0	31.3	31.7	32.3	32.6	32.9	33.0	33.6
27.4	30.2	30.8	30.9	31.2	31.5	31.9	32.5	32.8	33.1	33.2	33.8
27.6	30.4	31.0	31.1	31.4	31.7	32.1	32.7	33.0	33.3	33.4	34.0
27.8	30.6	31.2	31.3	31.6	31.9	32.3	32.9	33.2	33.5	33.6	34.2
28.0	30.8	31.4	31.5	31.8	32.1	32.5	33.1	33.4	33.7	33.8	34.4
28.2	31.0	31.6	31.7	32.0	32.3	32.7	33.3	33.6	33.9	34.0	34.6
28.4	31.2	31.8	31.9	32.2	32.5	32.9	33.5	33.8	34.1	34.2	34.8
28.6	31.4	32.0	32.1	32.4	32.7	33.1	33.7	34.0	34.3	34.4	35.0
28.8	31.6	32.2	32.3	32.6	32.9	33.3	33.9	34.2	34.5	34.6	35.2
29.0	31.8	32.4	32.5	32.8	33.1	33.5	34.1	34.4	34.7	34.8	35.4
29.2	32.0	32.6	32.7	33.0	33.3	33.7	34.3	34.6	34.9	35.0	35.6
29.4	32.2	32.8	32.9	33.2	33.5	33.9	34.5	34.8	35.1	35.2	35.8
29.6	32.4	33.0	33.1	33.4	33.7	34.1	34.7	35.0	35.3	35.4	36.0
29.8	32.6	33.2	33.3	33.6	33.9	34.3	34.9	35.2	35.5	35.6	36.2
30.0	32.8	33.4	33.5	33.8	34.1	34.5	35.1	35.4	35.7	35.8	36.4
30.2	33.0	33.6	33.7	34.0	34.3	34.7	35.3	35.6	35.9	36.0	36.6
30.4	33.2	33.8	33.9	34.2	34.5	34.9	35.5	35.8	36.1	36.2	36.8
30.6	33.4	34.0	34.1	34.4	34.7	35.1	35.7	36.0	36.3	36.4	37.0
30.8	33.6	34.2	34.3	34.6	34.9	35.3	35.9	36.2	36.5	36.6	37.2
31.0	33.8	34.4	34.5	34.8	35.1	35.5	36.1	36.4	36.7	36.8	37.4
31.2	34.0	34.6	34.7	35.0	35.3	35.7	36.3	36.6	36.9	37.0	37.6
31.4	34.2	34.8	34.9	35.2	35.5	35.9	36.5	36.8	37.1	37.2	37.8
31.6	34.4	35.0	35.1	35.4	35.7	36.1	36.7	37.0	37.3	37.4	38.0
31.8	34.6	35.2	35.3	35.6	35.9	36.3	36.9	37.2	37.5	37.6	38.2
32.0	34.8	35.4	35.5	35.8	36.1	36.5	37.1	37.4	37.7	37.8	38.4
32.2	35.0	35.6	35.7	36.0	36.3	36.7	37.3	37.6	37.9	38.0	38.6
32.4	35.2	35.8	35.9	36.2	36.5	36.9	37.5	37.8	38.1	38.2	38.8
32.6	35.4	36.0	36.1	36.4	36.7	37.1	37.7	38.0	38.3	38.4	39.0
32.8	35.6	36.2	36.3	36.6	36.9	37.3	37.9	38.2	38.5	38.6	39.2
33.0	35.8	36.4	36.5	36.8	37.1	37.5	38.1	38.4	38.7	38.8	39.4
33.2	36.0	36.6	36.7	37.0	37.3	37.7	38.3	38.6	38.9	39.0	39.6
33.4	36.2	36.8	36.9	37.2	37.5	37.9	38.5	38.8	39.1	39.2	39.8
33.6	36.4	37.0	37.1	37.4	37.7	38.1	38.7	39.0	39.3	39.4	40.0
33.8	36.6	37.2	37.3	37.6	37.9	38.3	38.9	39.2	39.5	39.6	40.2
34.0	36.8	37.4	37.5	37.8	38.1	38.5	39.1	39.4	39.7	39.8	40.4
34.2	37.0	37.6	37.7	38.0	38.3	38.7	39.3	39.6	39.9	40.0	40.6
34.4	37.2	37.8	37.9	38.2	38.5	38.9	39.5	39.8	40.1	40.2	40.8
34.6	37.4	38.0	38.1	38.4	38.7	39.1	39.7	40.0	40.3	40.4	41.0
34.8	37.6	38.2	38.3	38.6	38.9	39.3	39.9	40.2	40.5	40.6	41.2
35.0	37.8	38.4	38.5	38.8	39.1	39.5	40.1	40.4	40.7	40.8	41.4
35.2	38.0	38.6	38.7	39.0	39.3	39.7	40.3				

TABLE A-1 CONTINUED

TEMP DEG C	8.90	8.91	8.92	8.93	8.94	PH 8.95	8.96	8.97	8.98	8.99	9.00
21.0	25.3	25.8	26.2	26.7	27.1	27.6	28.0	28.5	29.0	29.4	29.9
21.2	25.6	26.0	26.5	26.9	27.4	27.9	28.3	28.8	29.3	29.7	30.2
21.4	25.9	26.3	26.8	27.2	27.7	28.2	28.6	29.1	29.6	30.0	30.5
21.6	26.2	26.6	27.1	27.5	28.0	28.5	28.9	29.4	29.9	30.3	30.8
21.8	26.4	26.9	27.3	27.8	28.3	28.8	29.2	29.7	30.2	30.6	31.1
22.0	26.7	27.2	27.6	28.1	28.6	29.0	29.5	30.0	30.5	31.0	31.5
22.2	27.0	27.5	27.9	28.4	28.9	29.4	29.8	30.3	30.8	31.3	31.8
22.4	27.3	27.8	28.3	28.7	29.2	29.7	30.1	30.6	31.1	31.6	32.1
22.6	27.6	28.1	28.6	29.0	29.5	30.0	30.4	30.9	31.4	31.9	32.4
22.8	27.9	28.4	28.9	29.3	29.8	30.3	30.7	31.2	31.7	32.2	32.7
23.0	28.2	28.7	29.1	29.6	30.1	30.6	31.0	31.5	32.0	32.5	33.0
23.2	28.4	28.9	29.4	29.8	30.3	30.8	31.2	31.7	32.2	32.7	33.2
23.4	28.7	29.2	29.7	30.1	30.6	31.1	31.5	32.0	32.5	33.0	33.5
23.6	28.9	29.4	29.9	30.3	30.8	31.3	31.7	32.2	32.7	33.2	33.7
23.8	29.2	29.7	30.2	30.6	31.1	31.6	32.0	32.5	33.0	33.5	34.0
24.0	29.4	29.9	30.4	30.8	31.3	31.8	32.2	32.7	33.2	33.7	34.2
24.2	29.6	30.1	30.6	31.0	31.5	32.0	32.4	32.9	33.4	33.9	34.4
24.4	29.9	30.4	30.9	31.3	31.8	32.3	32.7	33.2	33.7	34.2	34.7
24.6	30.1	30.6	31.1	31.5	32.0	32.5	32.9	33.4	33.9	34.4	34.9
24.8	30.3	30.8	31.3	31.7	32.2	32.7	33.1	33.6	34.1	34.6	35.1
25.0	30.6	31.1	31.6	32.0	32.5	33.0	33.4	33.9	34.4	34.9	35.4
25.2	30.8	31.3	31.8	32.2	32.7	33.2	33.6	34.1	34.6	35.1	35.6
25.4	31.1	31.6	32.1	32.5	33.0	33.5	33.9	34.4	34.9	35.4	35.9
25.6	31.3	31.8	32.3	32.7	33.2	33.7	34.1	34.6	35.1	35.6	36.1
25.8	31.6	32.1	32.6	33.0	33.5	34.0	34.4	34.9	35.4	35.9	36.4
26.0	31.9	32.4	32.9	33.3	33.8	34.3	34.7	35.2	35.7	36.2	36.7
26.2	32.1	32.6	33.1	33.5	34.0	34.5	34.9	35.4	35.9	36.4	36.9
26.4	32.4	32.9	33.4	33.8	34.3	34.8	35.2	35.7	36.2	36.7	37.2
26.6	32.6	33.1	33.6	34.0	34.5	35.0	35.4	35.9	36.4	36.9	37.4
26.8	32.9	33.4	33.9	34.3	34.8	35.3	35.7	36.2	36.7	37.2	37.7
27.0	33.1	33.6	34.1	34.5	35.0	35.5	35.9	36.4	36.9	37.4	37.9
27.2	33.4	33.9	34.4	34.8	35.3	35.8	36.2	36.7	37.2	37.7	38.2
27.4	33.6	34.1	34.6	35.0	35.5	36.0	36.4	36.9	37.4	37.9	38.4
27.6	33.9	34.4	34.9	35.3	35.8	36.3	36.7	37.2	37.7	38.2	38.7
27.8	34.1	34.6	35.1	35.5	36.0	36.5	36.9	37.4	37.9	38.4	38.9
28.0	34.4	34.9	35.4	35.8	36.3	36.8	37.2	37.7	38.2	38.7	39.2

TABLE A-1 CONTINUED

TEMP DEG C	8.90	8.91	8.92	8.93	8.94	PH 8.95	6.96	8.97	6.98	8.99	9.00
28.0	35.8	36.3	36.8	37.4	37.9	38.5	39.0	39.6	40.1	40.7	41.2
28.2	36.1	36.6	37.1	37.7	38.2	38.8	39.3	39.9	40.4	41.0	41.5
28.4	36.4	36.9	37.4	38.0	38.5	39.1	39.6	40.2	40.7	41.3	41.8
28.6	36.7	37.2	37.7	38.3	38.8	39.4	40.0	40.6	41.1	41.7	42.2
28.8	37.1	37.6	38.1	38.7	39.2	39.8	40.3	40.9	41.4	42.0	42.5
29.0	37.4	37.9	38.4	39.0	39.5	40.1	40.6	41.2	41.7	42.3	42.8
29.2	37.7	38.2	38.7	39.3	39.8	40.4	40.9	41.5	42.0	42.6	43.1
29.4	38.0	38.5	39.0	39.6	40.1	40.7	41.2	41.8	42.3	42.9	43.4
29.6	38.3	38.8	39.3	39.9	40.4	41.0	41.5	42.1	42.6	43.2	43.7
29.8	38.7	39.2	39.7	40.3	40.8	41.4	41.9	42.5	43.0	43.6	44.1
30.0	39.0	39.5	40.0	40.6	41.1	41.7	42.2	42.8	43.3	43.9	44.4
30.2	39.3	39.8	40.3	40.9	41.4	42.0	42.5	43.1	43.6	44.2	44.7
30.4	39.7	40.2	40.7	41.3	41.8	42.4	42.9	43.5	44.0	44.6	45.1
30.6	40.0	40.5	41.0	41.6	42.1	42.7	43.2	43.8	44.3	44.9	45.4
30.8	40.3	40.8	41.3	41.9	42.4	43.0	43.5	44.1	44.6	45.2	45.7
31.0	40.6	41.1	41.6	42.2	42.7	43.3	43.8	44.4	44.9	45.5	46.0
31.2	41.0	41.5	42.0	42.6	43.1	43.7	44.2	44.8	45.3	45.9	46.4
31.4	41.3	41.8	42.3	42.9	43.4	44.0	44.5	45.1	45.6	46.2	46.7
31.6	41.6	42.1	42.6	43.2	43.7	44.3	44.8	45.4	45.9	46.5	47.0
31.8	42.0	42.5	43.0	43.6	44.1	44.7	45.2	45.8	46.3	46.9	47.4
32.0	42.3	42.8	43.3	43.9	44.4	45.0	45.5	46.1	46.6	47.2	47.7
32.2	42.6	43.1	43.6	44.2	44.7	45.3	45.8	46.4	46.9	47.5	48.0
32.4	42.9	43.4	43.9	44.5	45.0	45.6	46.1	46.7	47.2	47.8	48.3
32.6	43.3	43.8	44.3	44.9	45.4	46.0	46.5	47.1	47.6	48.2	48.7
32.8	43.6	44.1	44.6	45.2	45.7	46.3	46.8	47.4	47.9	48.5	49.0
33.0	44.0	44.5	45.0	45.6	46.1	46.7	47.2	47.8	48.3	48.9	49.4
33.2	44.3	44.8	45.3	45.9	46.4	47.0	47.5	48.1	48.6	49.2	49.7
33.4	44.6	45.1	45.6	46.2	46.7	47.3	47.8	48.4	48.9	49.5	50.0
33.6	44.9	45.4	45.9	46.5	47.0	47.6	48.1	48.7	49.2	49.8	50.3
33.8	45.3	45.8	46.3	46.9	47.4	48.0	48.5	49.1	49.6	50.2	50.7
34.0	45.6	46.1	46.6	47.2	47.7	48.3	48.8	49.4	49.9	50.5	51.0
34.2	45.9	46.4	46.9	47.5	48.0	48.6	49.1	49.7	50.2	50.8	51.3
34.4	46.3	46.8	47.3	47.9	48.4	49.0	49.5	50.1	50.6	51.2	51.7
34.6	46.6	47.1	47.6	48.2	48.7	49.3	49.8	50.4	50.9	51.5	52.0
34.8	46.9	47.4	47.9	48.5	49.0	49.6	50.1	50.7	51.2	51.8	52.3
35.0	47.2	47.7	48.2	48.8	49.3	49.9	50.4	51.0	51.5	52.1	52.6

TABLE A-1 CONTINUED

TABLE PAGE 240

TEMP DEG C	8.90	8.91	8.92	8.93	8.94	PH 8.95	8.96	8.97	8.98	8.99	5.00
35.0	47.2	47.8	48.4	49.0	49.5	50.1	50.7	51.3	51.8	52.4	53.0
35.2	47.6	48.1	48.7	49.3	49.8	50.4	51.0	51.6	52.1	52.7	53.3
35.4	47.9	48.5	49.1	49.7	50.2	50.8	51.4	52.0	52.5	53.1	53.6
35.6	48.2	48.8	49.4	50.0	50.5	51.1	51.7	52.3	52.8	53.4	54.0
35.8	48.6	49.1	49.7	50.3	50.8	51.4	52.0	52.6	53.1	53.7	54.3
36.0	48.9	49.5	50.0	50.6	51.1	51.7	52.3	52.9	53.4	54.0	54.6
36.2	49.2	49.8	50.4	51.0	51.5	52.1	52.7	53.3	53.8	54.4	55.0
36.4	49.5	50.1	50.7	51.3	51.8	52.4	53.0	53.6	54.1	54.7	55.3
36.6	49.9	50.4	51.0	51.6	52.1	52.7	53.3	53.9	54.4	55.0	55.6
37.0	50.5	51.1	51.7	52.2	52.8	53.3	53.9	54.5	55.0	55.6	56.2
37.2	50.8	51.4	52.0	52.6	53.1	53.7	54.3	54.9	55.4	56.0	56.6
37.4	51.2	51.7	52.3	52.9	53.4	54.0	54.6	55.2	55.7	56.3	56.9
37.6	51.5	52.1	52.7	53.3	53.8	54.4	55.0	55.6	56.1	56.7	57.3
37.8	51.8	52.4	53.0	53.6	54.1	54.7	55.3	55.9	56.4	57.0	57.6
38.0	52.1	52.7	53.3	53.9	54.4	55.0	55.6	56.2	56.7	57.3	57.9
38.2	52.5	53.1	53.7	54.3	54.8	55.4	56.0	56.6	57.1	57.7	58.3
38.4	52.8	53.4	54.0	54.6	55.1	55.7	56.3	56.9	57.4	58.0	58.6
38.6	53.1	53.7	54.3	54.9	55.4	56.0	56.6	57.2	57.7	58.3	58.9
38.8	53.4	54.0	54.6	55.2	55.7	56.3	56.9	57.5	58.0	58.6	59.2
39.0	53.8	54.4	55.0	55.6	56.1	56.7	57.3	57.9	58.4	59.0	59.6
39.2	54.1	54.7	55.3	55.9	56.4	57.0	57.6	58.2	58.7	59.3	59.9
39.4	54.4	55.0	55.6	56.2	56.7	57.3	57.9	58.5	59.0	59.6	60.2
39.6	54.7	55.3	55.9	56.5	57.0	57.6	58.2	58.8	59.3	59.9	60.5
39.8	55.0	55.6	56.2	56.8	57.3	57.9	58.5	59.1	59.6	60.2	60.8
40.0	55.4	56.0	56.6	57.2	57.7	58.3	58.9	59.5	60.0	60.6	61.2

TABLE A-1 CONTINUED

TEMP
DEG C

TEMP DEG C	9.00	9.01	9.02	9.03	9.04	PH 9.05	9.06	9.07	9.08	9.09	9.10
0	7.64	7.80	7.97	8.14	8.31	8.49	8.60	8.85	9.04	9.23	9.43
.2	7.76	7.92	8.09	8.27	8.44	8.62	8.79	9.04	9.23	9.43	9.63
.4	7.88	8.05	8.22	8.39	8.57	8.75	8.94	9.19	9.38	9.57	9.77
.6	8.00	8.17	8.35	8.52	8.70	8.89	9.08	9.33	9.52	9.71	9.91
.8	8.12	8.30	8.47	8.65	8.83	9.01	9.20	9.45	9.64	9.83	10.02
1.0	8.25	8.43	8.61	8.79	8.97	9.16	9.36	9.60	9.79	9.98	10.17
1.2	8.38	8.56	8.74	8.92	9.11	9.30	9.50	9.75	9.94	10.13	10.32
1.4	8.51	8.69	8.87	9.06	9.25	9.45	9.64	9.89	10.08	10.27	10.46
1.6	8.64	8.82	9.01	9.20	9.39	9.59	9.79	10.04	10.23	10.42	10.61
1.8	8.77	8.95	9.14	9.34	9.53	9.73	9.93	10.18	10.37	10.56	10.75
2.0	8.90	9.09	9.28	9.48	9.68	9.88	10.09	10.34	10.53	10.72	10.91
2.2	9.04	9.23	9.42	9.62	9.82	10.02	10.23	10.48	10.67	10.86	11.05
2.4	9.18	9.37	9.56	9.77	9.97	10.17	10.38	10.63	10.82	11.01	11.20
2.6	9.31	9.51	9.71	9.91	10.11	10.31	10.52	10.77	10.96	11.15	11.34
2.8	9.45	9.65	9.85	10.06	10.26	10.46	10.67	10.92	11.11	11.30	11.49
3.0	9.60	9.80	10.00	10.21	10.41	10.61	10.82	11.07	11.26	11.45	11.64
3.2	9.74	9.94	10.15	10.36	10.57	10.78	10.99	11.24	11.43	11.62	11.81
3.4	9.89	10.09	10.30	10.52	10.74	10.96	11.18	11.43	11.62	11.81	12.00
3.6	10.02	10.22	10.43	10.65	10.87	11.09	11.31	11.56	11.75	11.94	12.13
3.8	10.16	10.36	10.57	10.79	11.01	11.23	11.45	11.70	11.89	12.08	12.27
4.0	10.30	10.50	10.71	10.93	11.15	11.37	11.59	11.84	12.03	12.22	12.41
4.2	10.44	10.64	10.85	11.07	11.29	11.51	11.73	12.00	12.19	12.38	12.57
4.4	10.58	10.78	10.99	11.21	11.43	11.65	11.87	12.14	12.33	12.52	12.71
4.6	10.72	10.92	11.13	11.35	11.57	11.79	12.01	12.28	12.47	12.66	12.85
4.8	10.86	11.06	11.27	11.49	11.71	11.93	12.15	12.42	12.61	12.80	13.00
5.0	11.00	11.20	11.41	11.63	11.85	12.07	12.29	12.56	12.75	12.94	13.13
5.2	11.14	11.34	11.55	11.77	11.99	12.21	12.43	12.70	12.89	13.08	13.27
5.4	11.28	11.48	11.69	11.91	12.13	12.35	12.57	12.84	13.03	13.22	13.41
5.6	11.42	11.62	11.83	12.05	12.27	12.49	12.71	13.00	13.19	13.38	13.57
5.8	11.56	11.76	11.97	12.19	12.41	12.63	12.85	13.14	13.33	13.52	13.71
6.0	11.70	11.90	12.11	12.33	12.55	12.77	12.99	13.28	13.47	13.66	13.85
6.2	11.84	12.04	12.25	12.47	12.69	12.91	13.13	13.42	13.61	13.80	14.00
6.4	11.98	12.18	12.39	12.61	12.83	13.05	13.27	13.56	13.75	13.94	14.13
6.6	12.12	12.32	12.53	12.75	12.97	13.19	13.41	13.70	13.89	14.08	14.27
6.8	12.26	12.46	12.67	12.89	13.11	13.33	13.55	13.84	14.03	14.22	14.41
7.0	12.40	12.60	12.81	13.03	13.25	13.47	13.69	14.00	14.19	14.38	14.57

TABLE PAGE 241

TABLE A-1 CONTINUED

TEMP DEG C	9.00	9.01	9.02	9.03	9.04	PH 9.05	9.06	9.07	9.08	9.09	9.10
7.0	12.8	13.1	13.3	13.6	13.9	14.1	14.4	14.9	15.2	15.5	15.8
7.2	13.0	13.3	13.5	13.8	14.1	14.3	14.6	15.1	15.4	15.7	16.0
7.4	13.2	13.5	13.7	14.0	14.3	14.5	14.8	15.3	15.6	15.9	16.2
7.6	13.4	13.7	13.9	14.2	14.5	14.7	15.0	15.5	15.8	16.1	16.4
7.8	13.6	13.9	14.1	14.4	14.7	14.9	15.2	15.7	16.0	16.3	16.6
8.0	13.8	14.1	14.3	14.6	14.9	15.1	15.4	15.9	16.2	16.5	16.8
8.2	14.0	14.3	14.5	14.8	15.1	15.3	15.6	16.1	16.4	16.7	17.0
8.4	14.2	14.5	14.7	15.0	15.3	15.5	15.8	16.3	16.6	16.9	17.2
8.6	14.4	14.7	14.9	15.2	15.5	15.7	16.0	16.5	16.8	17.1	17.4
8.8	14.6	14.9	15.1	15.4	15.7	15.9	16.2	16.7	17.0	17.3	17.6
9.0	14.8	15.1	15.3	15.6	15.9	16.1	16.4	16.9	17.2	17.5	17.8
9.2	15.0	15.3	15.5	15.8	16.1	16.3	16.6	17.1	17.4	17.7	18.0
9.4	15.2	15.5	15.7	16.0	16.3	16.5	16.8	17.3	17.6	17.9	18.2
9.6	15.4	15.7	15.9	16.2	16.5	16.7	17.0	17.5	17.8	18.1	18.4
9.8	15.6	15.9	16.1	16.4	16.7	16.9	17.2	17.7	18.0	18.3	18.6
10.0	15.8	16.1	16.3	16.6	16.9	17.1	17.4	17.9	18.2	18.5	18.8
10.2	16.0	16.3	16.5	16.8	17.1	17.3	17.6	18.1	18.4	18.7	19.0
10.4	16.2	16.5	16.7	17.0	17.3	17.5	17.8	18.3	18.6	18.9	19.2
10.6	16.4	16.7	16.9	17.2	17.5	17.7	18.0	18.5	18.8	19.1	19.4
10.8	16.6	16.9	17.1	17.4	17.7	17.9	18.2	18.7	19.0	19.3	19.6
11.0	16.8	17.1	17.3	17.6	17.9	18.1	18.4	18.9	19.2	19.5	19.8
11.2	17.0	17.3	17.5	17.8	18.1	18.3	18.6	19.1	19.4	19.7	20.0
11.4	17.2	17.5	17.7	18.0	18.3	18.5	18.8	19.3	19.6	19.9	20.2
11.6	17.4	17.7	17.9	18.2	18.5	18.7	19.0	19.5	19.8	20.1	20.4
11.8	17.6	17.9	18.1	18.4	18.7	18.9	19.2	19.7	20.0	20.3	20.6
12.0	17.8	18.1	18.3	18.6	18.9	19.1	19.4	19.9	20.2	20.5	20.8
12.2	18.0	18.3	18.5	18.8	19.1	19.3	19.6	20.1	20.4	20.7	21.0
12.4	18.2	18.5	18.7	19.0	19.3	19.5	19.8	20.3	20.6	20.9	21.2
12.6	18.4	18.7	18.9	19.2	19.5	19.7	20.0	20.5	20.8	21.1	21.4
12.8	18.6	18.9	19.1	19.4	19.7	19.9	20.2	20.7	21.0	21.3	21.6
13.0	18.8	19.1	19.3	19.6	19.9	20.1	20.4	20.9	21.2	21.5	21.8
13.2	19.0	19.3	19.5	19.8	20.1	20.3	20.6	21.1	21.4	21.7	22.0
13.4	19.2	19.5	19.7	20.0	20.3	20.5	20.8	21.3	21.6	21.9	22.2
13.6	19.4	19.7	19.9	20.2	20.5	20.7	21.0	21.5	21.8	22.1	22.4
13.8	19.6	19.9	20.1	20.4	20.7	20.9	21.2	21.7	22.0	22.3	22.6
14.0	19.8	20.1	20.3	20.6	20.9	21.1	21.4	21.9	22.2	22.5	22.8

TABLE PAGE 243

TABLE A-1 CONTINUED

TEMP DEG C	9.00	9.01	9.02	9.03	9.04	PH 5	9.06	9.07	9.08	9.09	9.10
14.0	20.5	20.6	21.0	21.4	21.8	22.4	22.6	23.0	23.4	23.8	24.2
14.2	20.5	20.9	21.3	21.7	22.1	22.7	22.9	23.3	23.7	24.1	24.5
14.4	20.5	21.1	21.5	21.9	22.3	22.9	23.1	23.5	23.9	24.3	24.7
14.6	21.0	21.6	22.0	22.4	22.8	23.4	23.6	24.0	24.4	24.8	25.2
14.8	21.2	21.8	22.2	22.6	23.0	23.6	23.8	24.2	24.6	25.0	25.4
15.0	21.5	22.1	22.5	22.9	23.3	23.9	24.1	24.5	24.9	25.3	25.7
15.2	21.7	22.3	22.7	23.1	23.5	24.1	24.3	24.7	25.1	25.5	25.9
15.4	22.0	22.6	23.0	23.4	23.8	24.4	24.6	25.0	25.4	25.8	26.2
15.6	22.2	22.8	23.2	23.6	24.0	24.6	24.8	25.2	25.6	26.0	26.4
16.0	22.5	23.1	23.5	23.9	24.3	24.9	25.1	25.5	25.9	26.3	26.7
16.2	23.1	23.7	24.1	24.5	24.9	25.5	25.7	26.1	26.5	26.9	27.3
16.4	23.3	23.9	24.3	24.7	25.1	25.7	25.9	26.3	26.7	27.1	27.5
16.6	23.6	24.2	24.6	25.0	25.4	26.0	26.2	26.6	27.0	27.4	27.8
16.8	24.1	24.7	25.1	25.5	25.9	26.5	26.7	27.1	27.5	27.9	28.3
17.0	24.4	25.0	25.4	25.8	26.2	26.8	27.0	27.4	27.8	28.2	28.6
17.2	24.7	25.3	25.7	26.1	26.5	27.1	27.3	27.7	28.1	28.5	28.9
17.4	25.0	25.6	26.0	26.4	26.8	27.4	27.6	28.0	28.4	28.8	29.2
17.6	25.5	26.1	26.5	26.9	27.3	27.9	28.1	28.5	28.9	29.3	29.7
17.8	25.8	26.4	26.8	27.2	27.6	28.2	28.4	28.8	29.2	29.6	30.0
18.0	26.1	26.7	27.1	27.5	27.9	28.5	28.7	29.1	29.5	29.9	30.3
18.2	26.4	27.0	27.4	27.8	28.2	28.8	29.0	29.4	29.8	30.2	30.6
18.4	26.7	27.3	27.7	28.1	28.5	29.1	29.3	29.7	30.1	30.5	30.9
18.6	27.0	27.6	28.0	28.4	28.8	29.4	29.6	30.0	30.4	30.8	31.2
18.8	27.3	27.9	28.3	28.7	29.1	29.7	29.9	30.3	30.7	31.1	31.5
19.0	27.6	28.2	28.6	29.0	29.4	30.0	30.2	30.6	31.0	31.4	31.8
19.2	27.9	28.5	28.9	29.3	29.7	30.3	30.5	30.9	31.3	31.7	32.1
19.4	28.2	28.8	29.2	29.6	30.0	30.6	30.8	31.2	31.6	32.0	32.4
19.6	28.5	29.1	29.5	29.9	30.3	30.9	31.1	31.5	31.9	32.3	32.7
19.8	28.8	29.4	29.8	30.2	30.6	31.2	31.4	31.8	32.2	32.6	33.0
20.0	29.1	29.7	30.1	30.5	30.9	31.5	31.7	32.1	32.5	32.9	33.3
20.2	29.4	30.0	30.4	30.8	31.2	31.8	32.0	32.4	32.8	33.2	33.6
20.4	29.7	30.3	30.7	31.1	31.5	32.1	32.3	32.7	33.1	33.5	33.9
20.6	29.9	30.5	30.9	31.3	31.7	32.3	32.5	32.9	33.3	33.7	34.1
20.8	30.2	30.8	31.2	31.6	32.0	32.6	32.8	33.2	33.6	34.0	34.4
21.0	30.5	31.1	31.5	31.9	32.3	32.9	33.1	33.5	33.9	34.3	34.7

TABLE A-1 CONTINUED

TEMP DEG C	9.00	9.01	9.02	9.03	9.04	PH 9.05	9.06	9.07	9.08	9.09	9.10
21.0	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9
21.2	30.2	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2
21.4	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5
22.0	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2
22.2	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5
22.4	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8
22.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1
22.8	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4
23.0	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7
23.2	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0
23.4	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3
23.6	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6
23.8	33.9	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9
24.0	34.2	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2
24.2	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5
24.4	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8
24.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1
24.8	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4
25.0	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7
25.2	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0
25.4	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3
25.6	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1	41.6
25.8	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4	41.9
26.0	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.2	41.7	42.2
26.2	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5
26.4	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.3	42.8
26.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.1	42.6	43.1
26.8	38.4	38.9	39.4	39.9	40.4	40.9	41.4	41.9	42.4	42.9	43.4
27.0	38.7	39.2	39.7	40.2	40.7	41.2	41.7	42.2	42.7	43.2	43.7
27.2	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0
27.4	39.3	39.8	40.3	40.8	41.3	41.8	42.3	42.8	43.3	43.8	44.3
27.6	39.6	40.1	40.6	41.1	41.6	42.1	42.6	43.1	43.6	44.1	44.6
27.8	39.9	40.4	40.9	41.4	41.9	42.4	42.9	43.4	43.9	44.4	44.9
28.0	40.2	40.7	41.2	41.7	42.2	42.7	43.2	43.7	44.2	44.7	45.2

TABLE PAGE 245

TABLE A-1 CONTINUED

TEMP DEG C	9.00	9.01	9.02	9.03	9.04	PH 9.05	9.06	9.07	9.08	9.09	9.10
28.0	41.2	41.8	42.7	43.3	43.8	44.0	44.6	45.2	45.8	46.3	46.9
28.2	41.6	42.1	43.0	43.6	44.1	44.4	45.0	45.5	46.1	46.6	47.2
28.4	41.9	42.5	43.3	43.9	44.4	44.7	45.3	45.9	46.5	47.0	47.6
28.6	42.2	42.8	43.6	44.2	44.7	45.0	45.6	46.2	46.8	47.3	47.9
28.8	42.6	43.1	43.9	44.5	45.0	45.3	45.9	46.5	47.1	47.6	48.2
29.0	42.9	43.5	44.3	44.9	45.4	45.7	46.3	46.9	47.5	48.0	48.6
29.2	43.3	43.8	44.6	45.2	45.7	46.0	46.6	47.2	47.8	48.3	48.9
29.4	43.6	44.2	45.0	45.6	46.1	46.4	47.0	47.6	48.2	48.7	49.3
29.6	43.9	44.5	45.3	45.9	46.4	46.7	47.3	47.9	48.5	49.0	49.6
29.8	44.3	44.8	45.6	46.2	46.7	47.0	47.6	48.2	48.8	49.3	49.9
30.0	44.6	45.2	46.0	46.6	47.1	47.4	48.0	48.6	49.2	49.7	50.3
30.2	44.9	45.5	46.3	46.9	47.4	47.7	48.3	48.9	49.5	50.0	50.6
30.4	45.3	45.9	46.7	47.3	47.8	48.1	48.7	49.3	49.9	50.4	51.0
30.6	45.6	46.2	47.0	47.6	48.1	48.4	49.0	49.6	50.2	50.7	51.3
30.8	46.0	46.6	47.4	48.0	48.5	48.8	49.4	50.0	50.6	51.1	51.7
31.0	46.3	46.9	47.7	48.3	48.8	49.1	49.7	50.3	50.9	51.4	52.0
31.2	46.6	47.2	48.0	48.6	49.1	49.4	50.0	50.6	51.2	51.7	52.3
31.4	47.0	47.6	48.4	49.0	49.5	49.8	50.4	51.0	51.6	52.1	52.7
31.6	47.3	47.9	48.7	49.3	49.8	50.1	50.7	51.3	51.9	52.4	53.0
31.8	47.6	48.2	49.0	49.6	50.1	50.4	51.0	51.6	52.2	52.7	53.3
32.0	48.0	48.6	49.4	50.0	50.5	50.8	51.4	52.0	52.6	53.1	53.7
32.2	48.3	48.9	49.7	50.3	50.8	51.1	51.7	52.3	52.9	53.4	54.0
32.4	48.7	49.3	50.1	50.7	51.2	51.5	52.1	52.7	53.3	53.8	54.4
32.6	49.0	49.6	50.4	51.0	51.5	51.8	52.4	53.0	53.6	54.1	54.7
32.8	49.3	49.9	50.7	51.3	51.8	52.1	52.7	53.3	53.9	54.4	55.0
33.0	49.7	50.3	51.1	51.7	52.2	52.5	53.1	53.7	54.3	54.8	55.4
33.2	50.0	50.6	51.4	52.0	52.5	52.8	53.4	54.0	54.6	55.1	55.7
33.4	50.3	50.9	51.7	52.3	52.8	53.1	53.7	54.3	54.9	55.4	56.0
33.6	50.7	51.3	52.1	52.7	53.2	53.5	54.1	54.7	55.3	55.8	56.4
33.8	51.0	51.6	52.4	53.0	53.5	53.8	54.4	55.0	55.6	56.1	56.7
34.0	51.3	51.9	52.7	53.3	53.8	54.1	54.7	55.3	55.9	56.4	57.0
34.2	51.7	52.3	53.1	53.7	54.2	54.5	55.1	55.7	56.3	56.8	57.4
34.4	52.0	52.6	53.4	54.0	54.5	54.8	55.4	56.0	56.6	57.1	57.7
34.6	52.3	52.9	53.7	54.3	54.8	55.1	55.7	56.3	56.9	57.4	58.0
34.8	52.7	53.3	54.1	54.7	55.2	55.5	56.1	56.7	57.3	57.8	58.4
35.0	53.0	53.6	54.4	55.0	55.5	55.8	56.4	57.0	57.6	58.1	58.7

TABLE A-1 CONTINUED

TEMP DEG C	9.00	9.01	9.02	9.03	9.04	PH 9.05	9.06	9.07	9.08	9.09	9.10
35.0	53.0	53.6	54.1	54.7	55.3	55.8	56.4	57.0	57.9	58.1	58.7
35.2	53.3	53.9	54.5	55.0	55.6	56.2	56.7	57.3	58.2	58.7	59.3
35.4	53.6	54.2	54.8	55.4	56.0	56.6	57.1	57.7	58.6	59.1	59.7
35.6	54.0	54.6	55.2	55.8	56.4	57.0	57.5	58.1	59.0	59.4	60.0
36.0	55.0	55.8	56.6	57.3	58.0	58.8	59.3	59.9	60.8	61.3	61.9
36.4	55.3	56.0	56.7	57.4	58.1	58.9	59.4	60.0	60.9	61.4	62.0
36.8	55.6	56.3	57.0	57.7	58.4	59.1	59.6	60.2	61.1	61.6	62.2
37.2	56.6	57.4	58.1	58.8	59.5	60.2	60.7	61.3	62.2	62.7	63.3
37.6	56.9	57.7	58.4	59.1	59.8	60.5	61.0	61.6	62.5	63.0	63.6
38.0	57.5	58.3	59.0	59.7	60.4	61.1	61.6	62.2	63.1	63.6	64.2
38.4	58.2	59.0	59.7	60.4	61.1	61.8	62.3	62.9	63.8	64.3	64.9
38.8	58.5	59.3	60.0	60.7	61.4	62.1	62.6	63.2	64.1	64.6	65.2
39.2	59.7	60.5	61.2	61.9	62.6	63.3	63.8	64.4	65.3	65.8	66.4
39.6	60.0	60.8	61.5	62.2	62.9	63.6	64.1	64.7	65.6	66.1	66.7
40.0	60.6	61.4	62.1	62.8	63.5	64.2	64.7	65.3	66.2	66.7	67.3

TABLE A-1 CONTINUED

TEMP DEG C	9.10	9.11	9.12	9.13	9.14	PH 9.15	9.16	9.17	9.18	9.19	9.20
0	9.43	9.63	9.83	10.03	10.24	10.46	10.68	10.90	11.12	11.35	11.59
1	9.57	9.77	9.98	10.19	10.40	10.62	10.84	11.06	11.29	11.52	11.76
2	9.72	9.92	10.13	10.34	10.56	10.78	11.00	11.21	11.43	11.67	11.91
3	9.87	10.07	10.28	10.49	10.72	11.01	11.25	11.47	11.69	11.93	12.15
4	10.02	10.24	10.46	10.68	10.90	11.13	11.35	11.57	11.79	12.02	12.25
5	10.17	10.39	10.61	10.83	11.05	11.28	11.50	11.72	11.94	12.17	12.40
6	10.32	10.54	10.76	10.98	11.20	11.43	11.65	11.87	12.09	12.32	12.54
7	10.47	10.69	10.91	11.13	11.35	11.58	11.80	12.02	12.24	12.47	12.69
8	10.62	10.84	11.06	11.28	11.50	11.73	11.95	12.17	12.39	12.62	12.84
9	10.77	10.99	11.21	11.43	11.65	11.88	12.10	12.32	12.54	12.77	12.99
10	10.92	11.14	11.36	11.58	11.80	12.03	12.25	12.47	12.69	12.92	13.14
11	11.07	11.29	11.51	11.73	11.95	12.18	12.40	12.62	12.84	13.07	13.29
12	11.22	11.44	11.66	11.88	12.10	12.33	12.55	12.77	12.99	13.22	13.44
13	11.37	11.59	11.81	12.03	12.25	12.48	12.70	12.92	13.14	13.37	13.59
14	11.52	11.74	11.96	12.18	12.40	12.63	12.85	13.07	13.29	13.52	13.74
15	11.67	11.89	12.11	12.33	12.55	12.78	13.00	13.22	13.44	13.67	13.89
16	11.82	12.04	12.26	12.48	12.70	12.93	13.15	13.37	13.59	13.82	14.04
17	11.97	12.19	12.41	12.63	12.85	13.08	13.30	13.52	13.74	13.97	14.19
18	12.12	12.34	12.56	12.78	13.00	13.23	13.45	13.67	13.89	14.12	14.34
19	12.27	12.49	12.71	12.93	13.15	13.38	13.60	13.82	14.04	14.27	14.49
20	12.42	12.64	12.86	13.08	13.30	13.53	13.75	13.97	14.19	14.42	14.64
21	12.57	12.79	13.01	13.23	13.45	13.68	13.90	14.12	14.34	14.57	14.79
22	12.72	12.94	13.16	13.38	13.60	13.83	14.05	14.27	14.49	14.72	14.94
23	12.87	13.09	13.31	13.53	13.75	13.98	14.20	14.42	14.64	14.87	15.09
24	13.02	13.24	13.46	13.68	13.90	14.13	14.35	14.57	14.79	15.02	15.24
25	13.17	13.39	13.61	13.83	14.05	14.28	14.50	14.72	14.94	15.17	15.39
26	13.32	13.54	13.76	13.98	14.20	14.43	14.65	14.87	15.09	15.32	15.54
27	13.47	13.69	13.91	14.13	14.35	14.58	14.80	15.02	15.24	15.47	15.69
28	13.62	13.84	14.06	14.28	14.50	14.73	14.95	15.17	15.39	15.62	15.84
29	13.77	13.99	14.21	14.43	14.65	14.88	15.10	15.32	15.54	15.77	15.99
30	13.92	14.14	14.36	14.58	14.80	15.03	15.25	15.47	15.69	15.92	16.14
31	14.07	14.29	14.51	14.73	14.95	15.18	15.40	15.62	15.84	16.07	16.29
32	14.22	14.44	14.66	14.88	15.10	15.33	15.55	15.77	15.99	16.22	16.44
33	14.37	14.59	14.81	15.03	15.25	15.48	15.70	15.92	16.14	16.37	16.59
34	14.52	14.74	14.96	15.18	15.40	15.63	15.85	16.07	16.29	16.52	16.74
35	14.67	14.89	15.11	15.33	15.55	15.78	16.00	16.22	16.44	16.67	16.89
36	14.82	15.04	15.26	15.48	15.70	15.93	16.15	16.37	16.59	16.82	17.04
37	14.97	15.19	15.41	15.63	15.85	16.08	16.30	16.52	16.74	16.97	17.19
38	15.12	15.34	15.56	15.78	16.00	16.23	16.45	16.67	16.89	17.12	17.34
39	15.27	15.49	15.71	15.93	16.15	16.38	16.60	16.82	17.04	17.27	17.49
40	15.42	15.64	15.86	16.08	16.30	16.53	16.75	16.97	17.19	17.42	17.64
41	15.57	15.79	16.01	16.23	16.45	16.68	16.90	17.12	17.34	17.57	17.79
42	15.72	15.94	16.16	16.38	16.60	16.83	17.05	17.27	17.49	17.72	17.94
43	15.87	16.09	16.31	16.53	16.75	16.98	17.20	17.42	17.64	17.87	18.09
44	16.02	16.24	16.46	16.68	16.90	17.13	17.35	17.57	17.79	18.02	18.24
45	16.17	16.39	16.61	16.83	17.05	17.28	17.50	17.72	17.94	18.17	18.39
46	16.32	16.54	16.76	16.98	17.20	17.43	17.65	17.87	18.09	18.32	18.54
47	16.47	16.69	16.91	17.13	17.35	17.58	17.80	18.02	18.24	18.47	18.69
48	16.62	16.84	17.06	17.28	17.50	17.73	17.95	18.17	18.39	18.62	18.84
49	16.77	16.99	17.21	17.43	17.65	17.88	18.10	18.32	18.54	18.77	18.99
50	16.92	17.14	17.36	17.58	17.80	18.03	18.25	18.47	18.69	18.92	19.14

TABLE A-1 CONTINUED

TEMP DEG C	9.10	9.11	9.12	9.13	9.14	PH 9.15	9.16	9.17	9.18	9.19	9.20
7.0	15.6	15.9	16.2	16.5	16.9	17.2	17.5	17.8	18.2	18.5	18.9
7.2	15.8	16.1	16.4	16.7	17.1	17.4	17.7	18.1	18.4	18.8	19.1
7.4	16.0	16.3	16.6	16.9	17.3	17.6	18.0	18.3	18.7	19.0	19.4
7.6	16.2	16.5	16.8	17.1	17.5	17.8	18.2	18.5	18.9	19.3	19.6
7.8	16.5	16.8	17.1	17.4	17.8	18.1	18.5	18.8	19.2	19.6	20.0
8.0	16.7	17.0	17.3	17.6	18.0	18.3	18.7	19.0	19.4	19.8	20.2
8.2	16.9	17.2	17.5	17.8	18.2	18.5	18.9	19.2	19.6	20.0	20.4
8.4	17.1	17.4	17.7	18.0	18.4	18.7	19.1	19.4	19.8	20.2	20.6
8.6	17.3	17.6	17.9	18.2	18.6	18.9	19.3	19.6	20.0	20.4	20.8
8.8	17.5	17.8	18.1	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0
9.0	17.7	18.0	18.3	18.6	19.0	19.3	19.7	20.0	20.4	20.8	21.2
9.2	17.9	18.2	18.5	18.8	19.2	19.5	19.9	20.2	20.6	21.0	21.4
9.4	18.1	18.4	18.7	19.0	19.4	19.7	20.1	20.4	20.8	21.2	21.6
9.6	18.3	18.6	18.9	19.2	19.6	19.9	20.3	20.6	21.0	21.4	21.8
9.8	18.5	18.8	19.1	19.4	19.8	20.1	20.5	20.8	21.2	21.6	22.0
10.0	18.7	19.0	19.3	19.6	20.0	20.3	20.7	21.0	21.4	21.8	22.2
10.2	18.9	19.2	19.5	19.8	20.2	20.5	20.9	21.2	21.6	22.0	22.4
10.4	19.1	19.4	19.7	20.0	20.4	20.7	21.1	21.4	21.8	22.2	22.6
10.6	19.3	19.6	19.9	20.2	20.6	20.9	21.3	21.6	22.0	22.4	22.8
10.8	19.5	19.8	20.1	20.4	20.8	21.1	21.5	21.8	22.2	22.6	23.0
11.0	19.7	20.0	20.3	20.6	21.0	21.3	21.7	22.0	22.4	22.8	23.2
11.2	19.9	20.2	20.5	20.8	21.2	21.5	21.9	22.2	22.6	23.0	23.4
11.4	20.1	20.4	20.7	21.0	21.4	21.7	22.1	22.4	22.8	23.2	23.6
11.6	20.3	20.6	20.9	21.2	21.6	21.9	22.3	22.6	23.0	23.4	23.8
11.8	20.5	20.8	21.1	21.4	21.8	22.1	22.5	22.8	23.2	23.6	24.0
12.0	20.7	21.0	21.3	21.6	22.0	22.3	22.7	23.0	23.4	23.8	24.2
12.2	20.9	21.2	21.5	21.8	22.2	22.5	22.9	23.2	23.6	24.0	24.4
12.4	21.1	21.4	21.7	22.0	22.4	22.7	23.1	23.4	23.8	24.2	24.6
12.6	21.3	21.6	21.9	22.2	22.6	22.9	23.3	23.6	24.0	24.4	24.8
12.8	21.5	21.8	22.1	22.4	22.8	23.1	23.5	23.8	24.2	24.6	25.0
13.0	21.7	22.0	22.3	22.6	23.0	23.3	23.7	24.0	24.4	24.8	25.2
13.2	21.9	22.2	22.5	22.8	23.2	23.5	23.9	24.2	24.6	25.0	25.4
13.4	22.1	22.4	22.7	23.0	23.4	23.7	24.1	24.4	24.8	25.2	25.6
13.6	22.3	22.6	22.9	23.2	23.6	23.9	24.3	24.6	25.0	25.4	25.8
13.8	22.5	22.8	23.1	23.4	23.8	24.1	24.5	24.8	25.2	25.6	26.0
14.0	22.7	23.0	23.3	23.6	24.0	24.3	24.7	25.0	25.4	25.8	26.2

TABLE PAGE 249

TABLE A-1 CONTINUED

TEMP DEG C	9.10	9.11	9.12	9.13	9.14	PH 9.15	9.16	9.17	9.18	9.19	9.20
14.0	24.6	24.9	25.1	25.5	25.9	26.4	26.8	27.3	27.7	28.1	28.5
14.4	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
14.8	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
15.2	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
15.6	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
16.0	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
16.4	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
16.8	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
17.2	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
17.6	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
18.0	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
18.4	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
18.8	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
19.2	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
19.6	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
20.0	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
20.4	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
20.8	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5
21.2	24.5	24.8	25.1	25.4	25.7	26.0	26.3	26.6	26.9	27.2	27.5

TABLE A-1 CONTINUED

TEMP DEG C	9.10	9.11	9.12	9.13	9.14	PH 9.15	9.16	9.17	9.18	9.19	9.20
21.0	35.0	35.5	36.0	36.5	37.0	37.6	38.2	38.7	39.3	39.8	40.4
21.4	35.3	35.8	36.3	36.8	37.3	37.9	38.5	39.0	39.6	40.1	40.7
21.8	35.6	36.1	36.6	37.1	37.6	38.2	38.8	39.3	39.9	40.4	41.0
22.0	36.0	36.5	37.0	37.5	38.0	38.6	39.2	39.7	40.3	40.8	41.4
22.2	36.6	37.1	37.6	38.1	38.6	39.2	39.8	40.3	40.9	41.4	42.0
22.4	37.0	37.5	38.0	38.5	39.0	39.6	40.2	40.7	41.3	41.8	42.4
22.6	37.3	37.8	38.3	38.8	39.3	39.9	40.5	41.0	41.6	42.1	42.7
22.8	37.6	38.1	38.6	39.1	39.6	40.2	40.8	41.3	41.9	42.4	43.0
23.0	38.0	38.5	39.0	39.5	40.0	40.6	41.2	41.7	42.3	42.8	43.4
23.2	38.3	38.8	39.3	39.8	40.3	40.9	41.5	42.0	42.6	43.1	43.7
23.4	38.7	39.2	39.7	40.2	40.7	41.3	41.9	42.4	43.0	43.5	44.1
23.6	39.0	39.5	40.0	40.5	41.0	41.6	42.2	42.7	43.3	43.8	44.4
23.8	39.3	39.8	40.3	40.8	41.3	41.9	42.5	43.0	43.6	44.1	44.7
24.0	39.7	40.2	40.7	41.2	41.7	42.3	42.9	43.4	44.0	44.5	45.1
24.2	40.0	40.5	41.0	41.5	42.0	42.6	43.2	43.7	44.3	44.8	45.4
24.4	40.3	40.8	41.3	41.8	42.3	42.9	43.5	44.0	44.6	45.1	45.7
24.6	40.7	41.2	41.7	42.2	42.7	43.3	43.9	44.4	45.0	45.5	46.1
24.8	41.0	41.5	42.0	42.5	43.0	43.6	44.2	44.7	45.3	45.8	46.4
25.0	41.3	41.8	42.3	42.8	43.3	43.9	44.5	45.0	45.6	46.1	46.7
25.2	41.7	42.2	42.7	43.2	43.7	44.3	44.9	45.4	46.0	46.5	47.1
25.4	42.0	42.5	43.0	43.5	44.0	44.6	45.2	45.7	46.3	46.8	47.4
25.6	42.3	42.8	43.3	43.8	44.3	44.9	45.5	46.0	46.6	47.1	47.7
25.8	42.7	43.2	43.7	44.2	44.7	45.3	45.9	46.4	47.0	47.5	48.1
26.0	43.0	43.5	44.0	44.5	45.0	45.6	46.2	46.7	47.3	47.8	48.4
26.2	43.3	43.8	44.3	44.8	45.3	45.9	46.5	47.0	47.6	48.1	48.7
26.4	43.7	44.2	44.7	45.2	45.7	46.3	46.9	47.4	48.0	48.5	49.1
26.6	44.0	44.5	45.0	45.5	46.0	46.6	47.2	47.7	48.3	48.8	49.4
26.8	44.3	44.8	45.3	45.8	46.3	46.9	47.5	48.0	48.6	49.1	49.7
27.0	44.7	45.2	45.7	46.2	46.7	47.3	47.9	48.4	49.0	49.5	50.1
27.2	45.0	45.5	46.0	46.5	47.0	47.6	48.2	48.7	49.3	49.8	50.4
27.4	45.3	45.8	46.3	46.8	47.3	47.9	48.5	49.0	49.6	50.1	50.7
27.6	45.7	46.2	46.7	47.2	47.7	48.3	48.9	49.4	50.0	50.5	51.1
27.8	46.0	46.5	47.0	47.5	48.0	48.6	49.2	49.7	50.3	50.8	51.4
28.0	46.3	46.8	47.3	47.8	48.3	48.9	49.5	50.0	50.6	51.1	51.7

TABLE A-1 CONTINUED

TEMP DEG C	9.10	9.11	9.12	9.13	9.14	PH 9.15	9.16	9.17	9.18	9.19	9.20
28.0	46.9	47.5	48.1	48.6	49.2	49.8	50.4	50.9	51.5	52.1	52.7
28.2	47.2	47.8	48.4	48.9	49.5	50.1	50.7	51.2	51.8	52.4	53.0
28.4	47.6	48.2	48.8	49.3	49.9	50.5	51.1	51.6	52.2	52.8	53.4
28.6	47.9	48.5	49.1	49.6	50.2	50.8	51.4	51.9	52.5	53.1	53.7
28.8	48.6	49.2	49.8	50.4	50.9	51.5	52.1	52.6	53.2	53.8	54.4
29.0	49.0	49.6	50.2	50.7	51.3	51.9	52.5	53.0	53.6	54.2	54.8
29.2	49.3	49.9	50.5	51.0	51.6	52.2	52.8	53.3	53.9	54.5	55.1
29.4	49.7	50.3	50.9	51.4	52.0	52.6	53.2	53.7	54.3	54.9	55.5
29.6	50.0	50.6	51.2	51.7	52.3	52.9	53.5	54.0	54.6	55.2	55.8
30.0	50.3	50.9	51.5	52.0	52.6	53.2	53.8	54.3	54.9	55.5	56.1
30.2	50.7	51.3	51.9	52.4	53.0	53.6	54.2	54.7	55.3	55.9	56.5
30.4	51.0	51.6	52.2	52.7	53.3	53.9	54.5	55.0	55.6	56.2	56.8
30.6	51.4	52.0	52.6	53.1	53.7	54.3	54.9	55.4	56.0	56.6	57.2
30.8	51.7	52.3	52.9	53.4	54.0	54.6	55.2	55.7	56.3	56.9	57.5
31.0	52.0	52.6	53.2	53.7	54.3	54.9	55.5	56.0	56.6	57.2	57.8
31.2	52.4	53.0	53.6	54.1	54.7	55.3	55.9	56.4	57.0	57.6	58.2
31.4	52.7	53.3	53.9	54.4	55.0	55.6	56.2	56.7	57.3	57.9	58.5
31.6	53.1	53.7	54.3	54.8	55.4	56.0	56.6	57.1	57.7	58.3	58.9
31.8	53.4	54.0	54.6	55.1	55.7	56.3	56.9	57.4	58.0	58.6	59.2
32.0	53.8	54.4	55.0	55.5	56.1	56.7	57.3	57.8	58.4	59.0	59.6
32.2	54.1	54.7	55.3	55.8	56.4	57.0	57.6	58.1	58.7	59.3	59.9
32.4	54.5	55.1	55.7	56.2	56.8	57.4	58.0	58.5	59.1	59.7	60.3
32.6	54.9	55.5	56.1	56.6	57.2	57.8	58.4	58.9	59.5	60.1	60.7
32.8	55.2	55.8	56.4	56.9	57.5	58.1	58.7	59.2	59.8	60.4	61.0
33.0	55.6	56.2	56.8	57.3	57.9	58.5	59.1	59.6	60.2	60.8	61.4
33.2	56.0	56.6	57.2	57.7	58.3	58.9	59.5	60.0	60.6	61.2	61.8
33.4	56.4	57.0	57.6	58.1	58.7	59.3	59.9	60.4	61.0	61.6	62.2
33.6	56.8	57.4	58.0	58.5	59.1	59.7	60.3	60.8	61.4	62.0	62.6
33.8	57.1	57.7	58.3	58.8	59.4	60.0	60.6	61.1	61.7	62.3	62.9
34.0	57.5	58.1	58.7	59.2	59.8	60.4	61.0	61.5	62.1	62.7	63.3
34.2	57.9	58.5	59.1	59.6	60.2	60.8	61.4	61.9	62.5	63.1	63.7
34.4	58.3	58.9	59.5	60.0	60.6	61.2	61.8	62.3	62.9	63.5	64.1
34.6	58.7	59.3	59.9	60.4	61.0	61.6	62.2	62.7	63.3	63.9	64.5
34.8	59.1	59.7	60.3	60.8	61.4	62.0	62.6	63.1	63.7	64.3	64.9
35.0	59.5	60.1	60.7	61.2	61.8	62.4	63.0	63.5	64.1	64.7	65.3

TABLE A-1 CONTINUED

TEMP DEG C	9.10	9.11	9.12	9.13	9.14	PH 9.15	9.16	9.17	9.18	9.19	9.20
35.0	58.7	59.2	59.8	60.3	60.9	61.4	62.0	62.5	63.0	63.9	64.4
35.2	59.3	59.9	60.4	61.0	61.5	62.0	62.6	63.1	63.7	64.2	64.7
35.4	59.6	60.2	60.7	61.3	61.8	62.3	62.9	63.4	64.0	64.5	65.0
35.6	59.9	60.5	61.0	61.6	62.1	62.6	63.2	63.7	64.3	64.8	65.3
35.8	60.2	60.8	61.3	61.9	62.4	62.9	63.5	64.0	64.6	65.1	65.6
36.0	60.6	61.1	61.6	62.2	62.7	63.2	63.8	64.3	64.9	65.4	65.9
36.2	60.9	61.4	61.9	62.5	63.0	63.5	64.1	64.6	65.2	65.7	66.2
36.4	61.2	61.7	62.2	62.8	63.3	63.8	64.4	64.9	65.5	66.0	66.5
36.6	61.5	62.0	62.5	63.1	63.6	64.1	64.7	65.2	65.8	66.3	66.8
36.8	61.8	62.3	62.8	63.4	63.9	64.4	65.0	65.5	66.1	66.6	67.1
37.0	62.1	62.6	63.1	63.7	64.2	64.7	65.3	65.8	66.4	66.9	67.4
37.2	62.4	62.9	63.4	64.0	64.5	65.0	65.6	66.1	66.7	67.2	67.7
37.4	62.7	63.2	63.7	64.3	64.8	65.3	65.9	66.4	67.0	67.5	68.0
37.6	63.0	63.5	64.0	64.6	65.1	65.6	66.2	66.7	67.3	67.8	68.3
37.8	63.3	63.8	64.3	64.9	65.4	65.9	66.5	67.0	67.6	68.1	68.6
38.0	63.6	64.1	64.6	65.2	65.7	66.2	66.8	67.3	67.9	68.4	68.9
38.2	63.9	64.4	64.9	65.5	66.0	66.5	67.1	67.6	68.2	68.7	69.2
38.4	64.2	64.7	65.2	65.8	66.3	66.8	67.4	67.9	68.5	69.0	69.5
38.6	64.5	65.0	65.5	66.1	66.6	67.1	67.7	68.2	68.8	69.3	69.8
38.8	64.8	65.3	65.8	66.4	66.9	67.4	68.0	68.5	69.1	69.6	70.1
39.0	65.1	65.6	66.1	66.7	67.2	67.7	68.3	68.8	69.4	69.9	70.4
39.2	65.4	65.9	66.4	67.0	67.5	68.0	68.6	69.1	69.7	70.2	70.7
39.4	65.7	66.2	66.7	67.3	67.8	68.3	68.9	69.4	70.0	70.5	71.0
39.6	66.0	66.5	67.0	67.6	68.1	68.6	69.2	69.7	70.3	70.8	71.3
40.0	66.3	66.8	67.3	67.9	68.4	68.9	69.5	70.0	70.6	71.1	71.6

TABLE A-1 CONTINUED

TEMP DEG C	9.20	9.21	9.22	9.23	9.24	PH 9.25	9.26	9.27	9.28	9.29	9.30
0	11.6	11.8	12.1	12.5	12.9	12.8	13.3	13.5	13.6	13.9	14.2
.2	11.8	12.0	12.4	12.8	13.2	13.0	13.5	13.7	13.8	14.1	14.4
.4	11.9	12.2	12.6	13.0	13.4	13.2	13.7	13.9	14.0	14.3	14.6
.6	12.1	12.4	12.8	13.2	13.6	13.4	13.9	14.1	14.2	14.5	14.8
.8	12.3	12.6	13.0	13.4	13.8	13.6	14.1	14.3	14.4	14.7	15.0
1.0	12.5	12.7	13.1	13.5	13.9	13.8	14.3	14.5	14.6	14.9	15.2
1.2	12.7	12.9	13.3	13.7	14.1	14.0	14.5	14.7	14.8	15.1	15.4
1.4	12.8	13.1	13.5	13.9	14.3	14.2	14.7	14.9	15.0	15.3	15.6
1.6	12.9	13.2	13.6	14.0	14.4	14.4	14.9	15.1	15.2	15.5	15.8
1.8	13.0	13.3	13.7	14.1	14.5	14.6	15.1	15.3	15.4	15.7	16.0
2.0	13.1	13.4	13.8	14.2	14.6	14.8	15.3	15.5	15.6	15.9	16.2
2.2	13.2	13.5	13.9	14.3	14.7	15.0	15.5	15.7	15.8	16.1	16.4
2.4	13.3	13.6	14.0	14.4	14.8	15.2	15.7	15.9	16.0	16.3	16.6
2.6	13.4	13.7	14.1	14.5	14.9	15.4	15.9	16.1	16.2	16.5	16.8
2.8	13.5	13.8	14.2	14.6	15.0	15.6	16.1	16.3	16.4	16.7	17.0
3.0	13.6	13.9	14.3	14.7	15.1	15.8	16.3	16.5	16.6	16.9	17.2
3.2	13.7	14.0	14.4	14.8	15.2	16.0	16.5	16.7	16.8	17.1	17.4
3.4	13.8	14.1	14.5	14.9	15.3	16.1	16.6	16.8	16.9	17.2	17.5
3.6	13.9	14.2	14.6	15.0	15.4	16.2	16.7	16.9	17.0	17.3	17.6
3.8	14.0	14.3	14.7	15.1	15.5	16.3	16.8	17.0	17.1	17.4	17.7
4.0	14.1	14.4	14.8	15.2	15.6	16.4	16.9	17.1	17.2	17.5	17.8
4.2	14.2	14.5	14.9	15.3	15.7	16.5	17.0	17.2	17.3	17.6	17.9
4.4	14.3	14.6	15.0	15.4	15.8	16.6	17.1	17.3	17.4	17.7	18.0
4.6	14.4	14.7	15.1	15.5	15.9	16.7	17.2	17.4	17.5	17.8	18.1
4.8	14.5	14.8	15.2	15.6	16.0	16.8	17.3	17.5	17.6	17.9	18.2
5.0	14.6	14.9	15.3	15.7	16.1	16.9	17.4	17.6	17.7	18.0	18.3
5.2	14.7	15.0	15.4	15.8	16.2	17.0	17.5	17.7	17.8	18.1	18.4
5.4	14.8	15.1	15.5	15.9	16.3	17.1	17.6	17.8	17.9	18.2	18.5
5.6	14.9	15.2	15.6	16.0	16.4	17.2	17.7	17.9	18.0	18.3	18.6
5.8	15.0	15.3	15.7	16.1	16.5	17.3	17.8	18.0	18.1	18.4	18.7
6.0	15.1	15.4	15.8	16.2	16.6	17.4	17.9	18.1	18.2	18.5	18.8
6.2	15.2	15.5	15.9	16.3	16.7	17.5	18.0	18.2	18.3	18.6	18.9
6.4	15.3	15.6	16.0	16.4	16.8	17.6	18.1	18.3	18.4	18.7	19.0
6.6	15.4	15.7	16.1	16.5	16.9	17.7	18.2	18.4	18.5	18.8	19.1
6.8	15.5	15.8	16.2	16.6	17.0	17.8	18.3	18.5	18.6	18.9	19.2
7.0	15.6	15.9	16.3	16.7	17.1	17.9	18.4	18.6	18.7	19.0	19.3

TABLE A-1 CONTINUED

TEMP DEG C	9.20	9.21	9.22	9.23	9.24	PH	9.25	9.26	9.27	9.28	9.29	9.30
7.0	18.9	19.2	19.6	20.0	20.3	7.0	20.7	21.4	21.5	21.9	22.3	22.7
7.2	19.1	19.5	19.9	20.2	20.6	7.2	21.0	21.7	21.8	22.2	22.6	23.0
7.4	19.4	19.8	20.1	20.5	20.9	7.4	21.3	22.0	22.1	22.5	22.9	23.3
7.6	19.6	20.0	20.3	20.7	21.1	7.6	21.5	22.2	22.3	22.7	23.1	23.5
7.8	19.9	20.3	20.6	21.0	21.4	7.8	21.8	22.5	22.6	23.0	23.4	23.8
8.0	20.1	20.5	20.8	21.2	21.6	8.0	22.1	22.8	22.9	23.3	23.7	24.1
8.2	20.4	20.8	21.1	21.5	21.9	8.2	22.4	23.1	23.2	23.6	24.0	24.4
8.4	20.7	21.1	21.4	21.8	22.2	8.4	22.7	23.4	23.5	23.9	24.3	24.7
8.6	20.9	21.3	21.6	22.0	22.4	8.6	23.0	23.7	23.8	24.2	24.6	25.0
8.8	21.1	21.5	21.8	22.2	22.6	8.8	23.3	24.0	24.1	24.5	24.9	25.3
9.0	21.4	21.8	22.1	22.5	22.9	9.0	23.6	24.3	24.4	24.8	25.2	25.6
9.2	21.7	22.1	22.4	22.8	23.2	9.2	23.9	24.6	24.7	25.1	25.5	25.9
9.4	22.0	22.4	22.7	23.1	23.5	9.4	24.2	24.9	25.0	25.4	25.8	26.2
9.6	22.3	22.7	23.0	23.4	23.8	9.6	24.5	25.2	25.3	25.7	26.1	26.5
9.8	22.6	23.0	23.3	23.7	24.1	9.8	24.8	25.5	25.6	26.0	26.4	26.8
10.0	22.9	23.3	23.6	24.0	24.4	10.0	25.1	25.8	25.9	26.3	26.7	27.1
10.2	23.1	23.5	23.8	24.2	24.6	10.2	25.4	26.1	26.2	26.6	27.0	27.4
10.4	23.4	23.8	24.1	24.5	24.9	10.4	25.7	26.4	26.5	26.9	27.3	27.7
10.6	23.6	24.0	24.3	24.7	25.1	10.6	26.0	26.7	26.8	27.2	27.6	28.0
10.8	23.9	24.3	24.6	25.0	25.4	10.8	26.3	27.0	27.1	27.5	27.9	28.3
11.0	24.1	24.5	24.8	25.2	25.6	11.0	26.6	27.3	27.4	27.8	28.2	28.6
11.2	24.4	24.8	25.1	25.5	25.9	11.2	26.9	27.6	27.7	28.1	28.5	28.9
11.4	24.6	25.0	25.3	25.7	26.1	11.4	27.2	27.9	28.0	28.4	28.8	29.2
11.6	24.9	25.3	25.6	26.0	26.4	11.6	27.5	28.2	28.3	28.7	29.1	29.5
11.8	25.1	25.5	25.8	26.2	26.6	11.8	27.8	28.5	28.6	29.0	29.4	29.8
12.0	25.4	25.8	26.1	26.5	26.9	12.0	28.1	28.8	28.9	29.3	29.7	30.1
12.2	25.6	26.0	26.3	26.7	27.1	12.2	28.4	29.1	29.2	29.6	30.0	30.4
12.4	25.9	26.3	26.6	27.0	27.4	12.4	28.7	29.4	29.5	29.9	30.3	30.7
12.6	26.1	26.5	26.8	27.2	27.6	12.6	29.0	29.7	29.8	30.2	30.6	31.0
12.8	26.4	26.8	27.1	27.5	27.9	12.8	29.3	30.0	30.1	30.5	30.9	31.3
13.0	26.6	27.0	27.3	27.7	28.1	13.0	29.6	30.3	30.4	30.8	31.2	31.6
13.2	26.9	27.3	27.6	28.0	28.4	13.2	29.9	30.6	30.7	31.1	31.5	31.9
13.4	27.1	27.5	27.8	28.2	28.6	13.4	30.2	30.9	31.0	31.4	31.8	32.2
13.6	27.4	27.8	28.1	28.5	28.9	13.6	30.5	31.2	31.3	31.7	32.1	32.5
13.8	27.6	28.0	28.3	28.7	29.1	13.8	30.8	31.5	31.6	32.0	32.4	32.8
14.0	27.9	28.3	28.6	29.0	29.4	14.0	31.1	31.8	31.9	32.3	32.7	33.1

TABLE A-1 CONTINUED

TABLE PAGE 255

TEMP DEG C	9.20	9.21	9.22	9.23	9.24	PH 9.25	9.26	9.27	9.28	9.29	9.30
14.0	28.7	29.2	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6
14.2	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0
14.4	29.3	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3
14.6	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6
14.8	29.9	30.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9
15.0	30.3	30.7	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2
15.2	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6
15.4	30.9	31.4	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9
15.6	31.2	31.7	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2
15.8	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5
16.0	31.9	32.4	32.9	33.4	33.9	34.4	34.9	35.4	35.9	36.4	36.9
16.2	32.2	32.7	33.2	33.7	34.2	34.7	35.2	35.7	36.2	36.7	37.2
16.4	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5
16.6	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8
16.8	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1
17.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5	38.0	38.5
17.2	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8
17.4	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1
17.6	34.4	34.9	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4
17.8	34.7	35.2	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7
18.0	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1
18.2	35.4	35.9	36.4	36.9	37.4	37.9	38.4	38.9	39.4	39.9	40.4
18.4	35.7	36.2	36.7	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7
18.6	36.0	36.5	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0
18.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3
19.0	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1	41.6
19.2	37.0	37.5	38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0
19.4	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.3
19.6	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.1	42.6
19.8	37.9	38.4	38.9	39.4	39.9	40.4	40.9	41.4	41.9	42.4	42.9
20.0	38.3	38.8	39.3	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5
20.2	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0
20.4	39.3	39.8	40.3	40.8	41.3	41.8	42.3	42.8	43.3	43.8	44.3
20.6	39.7	40.2	40.7	41.2	41.7	42.2	42.7	43.2	43.7	44.2	44.7
20.8	40.0	40.5	41.0	41.5	42.0	42.5	43.0	43.5	44.0	44.5	45.0
21.0	40.4	40.9	41.4	41.9	42.4	42.9	43.4	43.9	44.4	44.9	45.4

TABLE A-1 CONTINUED

TEMP DEG C	9.20	9.21	9.22	9.23	9.24	PH 9.25	9.26	9.27	9.28	9.29	9.30
21.0	40.7	40.9	41.5	42.0	42.6	43.2	43.7	44.3	44.9	45.5	46.0
21.2	40.7	41.3	41.8	42.4	43.0	43.5	44.1	44.7	45.3	45.8	46.4
21.4	41.1	41.6	42.2	42.7	43.3	43.9	44.5	45.1	45.6	46.2	46.7
21.6	41.4	42.0	42.5	43.1	43.7	44.3	44.9	45.5	46.1	46.6	47.1
21.8	41.8	42.3	42.9	43.5	44.0	44.6	45.2	45.8	46.4	46.9	47.4
22.0	42.1	42.7	43.2	43.8	44.4	44.9	45.5	46.1	46.7	47.2	47.8
22.2	42.5	43.0	43.6	44.2	44.8	45.3	45.9	46.5	47.1	47.6	48.2
22.4	42.8	43.3	43.9	44.5	45.1	45.7	46.3	46.9	47.5	48.0	48.5
22.6	43.2	43.7	44.3	44.9	45.5	46.1	46.7	47.3	47.9	48.4	48.9
22.8	43.5	44.0	44.6	45.2	45.8	46.4	47.0	47.6	48.2	48.7	49.2
23.0	43.9	44.4	45.0	45.6	46.2	46.8	47.4	48.0	48.6	49.1	49.6
23.2	44.2	44.7	45.3	45.9	46.5	47.1	47.7	48.3	48.9	49.4	50.0
23.4	44.6	45.1	45.7	46.3	46.9	47.5	48.1	48.7	49.3	49.8	50.3
23.6	44.9	45.4	46.0	46.6	47.2	47.8	48.4	49.0	49.6	50.1	50.6
23.8	45.3	45.8	46.4	47.0	47.6	48.2	48.8	49.4	50.0	50.5	51.0
24.0	45.6	46.1	46.7	47.3	47.9	48.5	49.1	49.7	50.3	50.8	51.3
24.2	46.0	46.5	47.1	47.7	48.3	48.9	49.5	50.1	50.7	51.2	51.7
24.4	46.4	46.9	47.5	48.1	48.7	49.3	49.9	50.5	51.1	51.6	52.1
24.6	46.7	47.2	47.8	48.4	49.0	49.6	50.2	50.8	51.4	51.9	52.4
24.8	47.1	47.6	48.2	48.8	49.4	50.0	50.6	51.2	51.8	52.3	52.8
25.0	47.4	47.9	48.5	49.1	49.7	50.3	50.9	51.5	52.1	52.6	53.1
25.2	47.8	48.3	48.9	49.5	50.1	50.7	51.3	51.9	52.5	53.0	53.5
25.4	48.1	48.6	49.2	49.8	50.4	51.0	51.6	52.2	52.8	53.3	53.8
25.6	48.5	49.0	49.6	50.2	50.8	51.4	52.0	52.6	53.2	53.7	54.2
25.8	48.8	49.3	49.9	50.5	51.1	51.7	52.3	52.9	53.5	54.0	54.5
26.0	49.2	49.7	50.3	50.9	51.5	52.1	52.7	53.3	53.9	54.4	54.9
26.2	49.5	50.0	50.6	51.2	51.8	52.4	53.0	53.6	54.2	54.7	55.2
26.4	49.9	50.4	51.0	51.6	52.2	52.8	53.4	54.0	54.6	55.1	55.6
26.6	50.2	50.7	51.3	51.9	52.5	53.1	53.7	54.3	54.9	55.4	55.9
26.8	50.6	51.1	51.7	52.3	52.9	53.5	54.1	54.7	55.3	55.8	56.3
27.0	50.9	51.4	52.0	52.6	53.2	53.8	54.4	55.0	55.6	56.1	56.6
27.2	51.3	51.8	52.4	53.0	53.6	54.2	54.8	55.4	56.0	56.5	57.0
27.4	51.6	52.1	52.7	53.3	53.9	54.5	55.1	55.7	56.3	56.8	57.3
27.6	52.0	52.5	53.1	53.7	54.3	54.9	55.5	56.1	56.7	57.2	57.7
27.8	52.3	52.8	53.4	54.0	54.6	55.2	55.8	56.4	57.0	57.5	58.0

TABLE A-1 CONTINUED

TABLE PAGE 257

TEMP DEG C	9.20	9.21	9.22	9.23	9.24	PH 9.25	9.26	9.27	9.28	9.29	9.30
28.0	52.0	53.2	53.8	54.4	54.9	55.5	56.1	56.6	57.2	57.8	58.3
28.2	53.0	53.9	54.4	55.0	55.5	56.2	56.8	57.3	57.9	58.4	58.9
28.4	53.7	54.3	54.8	55.4	55.9	56.6	57.1	57.7	58.2	58.7	59.2
28.6	54.0	54.6	55.2	55.7	56.3	56.9	57.4	58.0	58.5	59.0	59.5
29.0	54.7	55.3	55.8	56.4	56.9	57.5	58.0	58.6	59.1	59.6	60.1
29.2	55.1	55.6	56.2	56.7	57.2	57.8	58.3	58.9	59.4	59.9	60.4
29.4	55.4	56.0	56.5	57.0	57.5	58.1	58.6	59.2	59.7	60.2	60.7
29.6	55.7	56.3	56.8	57.3	57.8	58.4	58.9	59.5	60.0	60.5	61.0
30.0	56.1	56.6	57.2	57.7	58.2	58.8	59.3	59.9	60.4	60.9	61.4
30.2	56.4	57.0	57.5	58.0	58.5	59.1	59.6	60.2	60.7	61.2	61.7
30.4	56.7	57.3	57.8	58.3	58.8	59.4	59.9	60.5	61.0	61.5	62.0
30.6	57.1	57.6	58.2	58.7	59.2	59.8	60.3	60.9	61.4	61.9	62.4
31.0	57.7	58.2	58.7	59.2	59.7	60.3	60.8	61.4	61.9	62.4	62.9
31.2	58.1	58.6	59.1	59.6	60.1	60.7	61.2	61.8	62.3	62.8	63.3
31.4	58.4	58.9	59.4	59.9	60.4	61.0	61.5	62.1	62.6	63.1	63.6
31.6	58.7	59.2	59.7	60.2	60.7	61.3	61.8	62.4	62.9	63.4	63.9
31.8	59.1	59.6	60.1	60.6	61.1	61.7	62.2	62.8	63.3	63.8	64.3
32.0	59.4	60.0	60.5	61.0	61.5	62.1	62.6	63.2	63.7	64.2	64.7
32.2	59.8	60.3	60.8	61.3	61.8	62.4	62.9	63.5	64.0	64.5	65.0
32.4	60.0	60.6	61.1	61.6	62.1	62.7	63.2	63.8	64.3	64.8	65.3
32.6	60.3	60.9	61.4	61.9	62.4	63.0	63.5	64.1	64.6	65.1	65.6
32.8	60.7	61.2	61.7	62.2	62.7	63.3	63.8	64.4	64.9	65.4	65.9
33.0	61.0	61.5	62.0	62.5	63.0	63.6	64.1	64.7	65.2	65.7	66.2
33.2	61.4	61.9	62.4	62.9	63.4	64.0	64.5	65.1	65.6	66.1	66.6
33.4	61.7	62.2	62.7	63.2	63.7	64.3	64.8	65.4	65.9	66.4	66.9
33.6	62.1	62.6	63.1	63.6	64.1	64.7	65.2	65.8	66.3	66.8	67.3
33.8	62.4	62.9	63.4	63.9	64.4	65.0	65.5	66.1	66.6	67.1	67.6
34.0	62.8	63.3	63.8	64.3	64.8	65.4	65.9	66.5	67.0	67.5	68.0
34.2	63.1	63.6	64.1	64.6	65.1	65.7	66.2	66.8	67.3	67.8	68.3
34.4	63.5	64.0	64.5	65.0	65.5	66.1	66.6	67.2	67.7	68.2	68.7
34.6	63.8	64.3	64.8	65.3	65.8	66.4	66.9	67.5	68.0	68.5	69.0
34.8	64.2	64.7	65.2	65.7	66.2	66.8	67.3	67.9	68.4	68.9	69.4
35.0	64.5	65.0	65.5	66.0	66.5	67.1	67.6	68.2	68.7	69.2	69.7

TABLE A-1 CONTINUED

TEMP DEG C	9.20	9.21	9.22	9.23	9.24	PH 9.25	9.26	9.27	9.28	9.29	9.30
35.0	64.1	64.6	65.2	65.7	66.2	66.7	67.2	67.7	68.2	68.7	69.2
35.2	64.4	64.9	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5
35.4	64.7	65.2	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.3	69.8
35.5	65.0	65.5	66.1	66.6	67.1	67.6	68.1	68.6	69.1	69.6	70.1
35.6	65.3	65.8	66.4	66.9	67.4	67.9	68.4	68.9	69.4	69.9	70.4
36.0	65.6	66.1	66.7	67.2	67.7	68.2	68.7	69.2	69.7	70.1	70.6
36.2	65.9	66.4	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.4	70.9
36.4	66.2	66.7	67.3	67.8	68.3	68.8	69.3	69.8	70.3	70.7	71.2
36.6	66.5	67.0	67.6	68.1	68.6	69.1	69.6	70.1	70.6	71.0	71.5
36.8	66.8	67.3	67.9	68.4	68.9	69.4	69.9	70.4	70.9	71.3	71.8
37.0	67.1	67.6	68.2	68.7	69.2	69.7	70.2	70.7	71.2	71.6	72.1
37.2	67.4	67.9	68.5	69.0	69.5	70.0	70.5	71.0	71.5	71.9	72.4
37.4	67.7	68.2	68.8	69.3	69.8	70.3	70.8	71.3	71.8	72.2	72.7
37.6	68.0	68.5	69.1	69.6	70.1	70.6	71.1	71.6	72.1	72.5	73.0
37.8	68.3	68.8	69.4	69.9	70.4	70.9	71.4	71.9	72.4	72.8	73.3
38.0	68.6	69.1	69.7	70.2	70.7	71.2	71.7	72.2	72.7	73.1	73.6
38.2	68.9	69.4	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.4	73.9
38.4	69.2	69.7	70.3	70.8	71.3	71.8	72.3	72.8	73.3	73.7	74.2
38.6	69.5	70.0	70.6	71.1	71.6	72.1	72.6	73.1	73.6	74.0	74.5
38.8	69.8	70.3	70.9	71.4	71.9	72.4	72.9	73.4	73.9	74.3	74.8
39.0	70.1	70.6	71.2	71.7	72.2	72.7	73.2	73.7	74.2	74.6	75.1
39.2	70.4	70.9	71.5	72.0	72.5	73.0	73.5	74.0	74.5	74.9	75.4
39.4	70.7	71.2	71.8	72.3	72.8	73.3	73.8	74.3	74.8	75.2	75.7
39.6	71.0	71.5	72.1	72.6	73.1	73.6	74.1	74.6	75.1	75.5	76.0
40.0	71.3	71.8	72.4	72.9	73.4	73.9	74.4	74.9	75.4	75.8	76.3

TABLE PAGE 259

TABLE A-1 CONTINUED

TEMP DEG C	9.30	9.31	9.32	9.33	9.34	PH 9.35	9.36	9.37	9.38	9.39	9.40
0	14.2	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.6	17.1	17.4
2	14.4	14.7	14.9	15.2	15.5	15.8	16.1	16.4	16.8	17.3	17.7
4	14.6	14.9	15.1	15.4	15.7	16.0	16.3	16.6	17.0	17.5	17.9
6	14.8	15.1	15.3	15.6	15.9	16.2	16.5	16.8	17.2	17.7	18.1
8	15.0	15.3	15.5	15.8	16.1	16.4	16.7	17.0	17.4	17.9	18.3
10	15.2	15.5	15.7	16.0	16.3	16.6	16.9	17.2	17.6	18.1	18.5
12	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.9	18.4	18.8
14	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.1	18.6	19.0
16	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.3	18.8	19.2
18	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.5	19.0	19.4
20	16.2	16.5	16.8	17.1	17.4	17.7	18.0	18.3	18.7	19.2	19.6
22	16.4	16.7	17.0	17.3	17.6	17.9	18.2	18.5	18.9	19.4	19.8
24	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.1	19.6	20.0
26	16.8	17.1	17.4	17.7	18.0	18.3	18.6	18.9	19.3	19.8	20.2
28	17.0	17.3	17.6	17.9	18.2	18.5	18.8	19.1	19.5	20.0	20.4
30	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.7	20.2	20.6
32	17.4	17.7	18.0	18.3	18.6	18.9	19.2	19.5	19.9	20.4	20.8
34	17.6	17.9	18.2	18.5	18.8	19.1	19.4	19.7	20.1	20.6	21.0
36	17.8	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.3	20.8	21.2
38	18.0	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.5	21.0	21.4
40	18.2	18.5	18.8	19.1	19.4	19.7	20.0	20.3	20.7	21.2	21.6
42	18.4	18.7	19.0	19.3	19.6	19.9	20.2	20.5	20.9	21.4	21.8
44	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.7	21.1	21.6	22.0
46	18.8	19.1	19.4	19.7	20.0	20.3	20.6	20.9	21.3	21.8	22.2
48	19.0	19.3	19.6	19.9	20.2	20.5	20.8	21.1	21.5	22.0	22.4
50	19.2	19.5	19.8	20.1	20.4	20.7	21.0	21.3	21.7	22.2	22.6
52	19.4	19.7	20.0	20.3	20.6	20.9	21.2	21.5	21.9	22.4	22.8
54	19.6	19.9	20.2	20.5	20.8	21.1	21.4	21.7	22.1	22.6	23.0
56	19.8	20.1	20.4	20.7	21.0	21.3	21.6	21.9	22.3	22.8	23.2
58	20.0	20.3	20.6	20.9	21.2	21.5	21.8	22.1	22.5	23.0	23.4
60	20.2	20.5	20.8	21.1	21.4	21.7	22.0	22.3	22.7	23.2	23.6
62	20.4	20.7	21.0	21.3	21.6	21.9	22.2	22.5	22.9	23.4	23.8
64	20.6	20.9	21.2	21.5	21.8	22.1	22.4	22.7	23.1	23.6	24.0
66	20.8	21.1	21.4	21.7	22.0	22.3	22.6	22.9	23.3	23.8	24.2
68	21.0	21.3	21.6	21.9	22.2	22.5	22.8	23.1	23.5	24.0	24.4
70	21.2	21.5	21.8	22.1	22.4	22.7	23.0	23.3	23.7	24.2	24.6

TABLE A-1 CONTINUED

TABLE PAGE 260

TEMP DEG C	9.30	9.31	9.32	9.33	9.34	PH 9.35	9.36	9.37	9.38	9.39	9.40
7.0	22.7	23.1	23.5	23.9	24.3	24.0	25.5	25.9	26.1	26.5	27.0
7.4	22.9	23.4	23.8	24.2	24.6	25.0	25.8	26.2	26.4	26.8	27.3
7.8	23.2	23.7	24.1	24.5	24.9	25.3	26.1	26.5	26.7	27.1	27.6
8.2	23.5	24.0	24.4	24.8	25.2	25.6	26.4	26.8	27.0	27.4	27.9
8.6	23.8	24.3	24.7	25.1	25.5	25.9	26.7	27.1	27.3	27.7	28.2
9.0	24.1	24.6	25.0	25.4	25.8	26.2	27.0	27.4	27.6	28.0	28.5
9.4	24.4	24.9	25.3	25.7	26.1	26.5	27.3	27.7	27.9	28.3	28.8
9.8	24.7	25.2	25.6	26.0	26.4	26.8	27.6	28.0	28.2	28.6	29.1
10.2	25.0	25.5	25.9	26.3	26.7	27.1	27.9	28.3	28.5	28.9	29.4
10.6	25.3	25.8	26.2	26.6	27.0	27.4	28.2	28.6	28.8	29.2	29.7
11.0	25.6	26.1	26.5	26.9	27.3	27.7	28.5	28.9	29.1	29.5	30.0
11.4	25.9	26.4	26.8	27.2	27.6	28.0	28.8	29.2	29.4	29.8	30.3
11.8	26.2	26.7	27.1	27.5	27.9	28.3	29.1	29.5	29.7	30.1	30.6
12.2	26.5	27.0	27.4	27.8	28.2	28.6	29.4	29.8	30.0	30.4	30.9
12.6	26.8	27.3	27.7	28.1	28.5	28.9	29.7	30.1	30.3	30.7	31.2
13.0	27.1	27.6	28.0	28.4	28.8	29.2	30.0	30.4	30.6	31.0	31.5
13.4	27.4	27.9	28.3	28.7	29.1	29.5	30.3	30.7	30.9	31.3	31.8
13.8	27.7	28.2	28.6	29.0	29.4	29.8	30.6	31.0	31.2	31.6	32.1
14.2	28.0	28.5	28.9	29.3	29.7	30.1	30.9	31.3	31.5	31.9	32.4
14.6	28.3	28.8	29.2	29.6	30.0	30.4	31.2	31.6	31.8	32.2	32.7
15.0	28.6	29.1	29.5	29.9	30.3	30.7	31.5	31.9	32.1	32.5	33.0
15.4	28.9	29.4	29.8	30.2	30.6	31.0	31.8	32.2	32.4	32.8	33.3
15.8	29.2	29.7	30.1	30.5	30.9	31.3	32.1	32.5	32.7	33.1	33.6
16.2	29.5	30.0	30.4	30.8	31.2	31.6	32.4	32.8	33.0	33.4	33.9
16.6	29.8	30.3	30.7	31.1	31.5	31.9	32.7	33.1	33.3	33.7	34.2
17.0	30.1	30.6	31.0	31.4	31.8	32.2	33.0	33.4	33.6	34.0	34.5
17.4	30.4	30.9	31.3	31.7	32.1	32.5	33.3	33.7	33.9	34.3	34.8
17.8	30.7	31.2	31.6	32.0	32.4	32.8	33.6	34.0	34.2	34.6	35.1
18.2	31.0	31.5	31.9	32.3	32.7	33.1	33.9	34.3	34.5	34.9	35.4
18.6	31.3	31.8	32.2	32.6	33.0	33.4	34.2	34.6	34.8	35.2	35.7
19.0	31.6	32.1	32.5	32.9	33.3	33.7	34.5	34.9	35.1	35.5	36.0
19.4	31.9	32.4	32.8	33.2	33.6	34.0	34.8	35.2	35.4	35.8	36.3
19.8	32.2	32.7	33.1	33.5	33.9	34.3	35.1	35.5	35.7	36.1	36.6
20.2	32.5	33.0	33.4	33.8	34.2	34.6	35.4	35.8	36.0	36.4	36.9
20.6	32.8	33.3	33.7	34.1	34.5	34.9	35.7	36.1	36.3	36.7	37.2
21.0	33.1	33.6	34.0	34.4	34.8	35.2	36.0	36.4	36.6	37.0	37.5
21.4	33.4	33.9	34.3	34.7	35.1	35.5	36.3	36.7	36.9	37.3	37.8
21.8	33.7	34.2	34.6	35.0	35.4	35.8	36.6	37.0	37.2	37.6	38.1
22.2	34.0	34.5	34.9	35.3	35.7	36.1	36.9	37.3	37.5	37.9	38.4
22.6	34.3	34.8	35.2	35.6	36.0	36.4	37.2	37.6	37.8	38.2	38.7
23.0	34.6	35.1	35.5	35.9	36.3	36.7	37.5	37.9	38.1	38.5	39.0
23.4	34.9	35.4	35.8	36.2	36.6	37.0	37.8	38.2	38.4	38.8	39.3
23.8	35.2	35.7	36.1	36.5	36.9	37.3	38.1	38.5	38.7	39.1	39.6
24.2	35.5	36.0	36.4	36.8	37.2	37.6	38.4	38.8	39.0	39.4	39.9
24.6	35.8	36.3	36.7	37.1	37.5	37.9	38.7	39.1	39.3	39.7	40.2
25.0	36.1	36.6	37.0	37.4	37.8	38.2	39.0	39.4	39.6	40.0	40.5
25.4	36.4	36.9	37.3	37.7	38.1	38.5	39.3	39.7	39.9	40.3	40.8
25.8	36.7	37.2	37.6	38.0	38.4	38.8	39.6	40.0	40.2	40.6	41.1
26.2	37.0	37.5	37.9	38.3	38.7	39.1	39.9	40.3	40.5	40.9	41.4
26.6	37.3	37.8	38.2	38.6	39.0	39.4	40.2	40.6	40.8	41.2	41.7
27.0	37.6	38.1	38.5	38.9	39.3	39.7	40.5	40.9	41.1	41.5	42.0
27.4	37.9	38.4	38.8	39.2	39.6	40.0	40.8	41.2	41.4	41.8	42.3
27.8	38.2	38.7	39.1	39.5	39.9	40.3	41.1	41.5	41.7	42.1	42.6
28.2	38.5	39.0	39.4	39.8	40.2	40.6	41.4	41.8	42.0	42.4	42.9
28.6	38.8	39.3	39.7	40.1	40.5	40.9	41.7	42.1	42.3	42.7	43.2
29.0	39.1	39.6	40.0	40.4	40.8	41.2	42.0	42.4	42.6	43.0	43.5
29.4	39.4	39.9	40.3	40.7	41.1	41.5	42.3	42.7	42.9	43.3	43.8
29.8	39.7	40.2	40.6	41.0	41.4	41.8	42.6	43.0	43.2	43.6	44.1
30.2	40.0	40.5	40.9	41.3	41.7	42.1	42.9	43.3	43.5	43.9	44.4
30.6	40.3	40.8	41.2	41.6	42.0	42.4	43.2	43.6	43.8	44.2	44.7
31.0	40.6	41.1	41.5	41.9	42.3	42.7	43.5	43.9	44.1	44.5	45.0
31.4	40.9	41.4	41.8	42.2	42.6	43.0	43.8	44.2	44.4	44.8	45.3
31.8	41.2	41.7	42.1	42.5	42.9	43.3	44.1	44.5	44.7	45.1	45.6
32.2	41.5	42.0	42.4	42.8	43.2	43.6	44.4	44.8	45.0	45.4	45.9
32.6	41.8	42.3	42.7	43.1	43.5	43.9	44.7	45.1	45.3	45.7	46.2
33.0	42.1	42.6	43.0	43.4	43.8	44.2	45.0	45.4	45.6	46.0	46.5
33.4	42.4	42.9	43.3	43.7	44.1	44.5	45.3	45.7	45.9	46.3	46.8
33.8	42.7	43.2	43.6	44.0	44.4	44.8	45.6	46.0	46.2	46.6	47.1
34.2	43.0	43.5	43.9	44.3	44.7	45.1	45.9	46.3	46.5	46.9	47.4
34.6	43.3	43.8	44.2	44.6	45.0	45.4	46.2	46.6	46.8	47.2	47.7
35.0	43.6	44.1	44.5	44.9	45.3	45.7	46.5	46.9	47.1	47.5	48.0
35.4	43.9	44.4	44.8	45.2	45.6	46.0	46.8	47.2	47.4	47.8	48.3
35.8	44.2	44.7	45.1	45.5	45.9	46.3	47.1	47.5	47.7	48.1	48.6
36.2	44.5	45.0	45.4	45.8	46.2	46.6	47.4	47.8	48.0	48.4	48.9
36.6	44.8	45.3	45.7	46.1	46.5	46.9	47.7	48.1	48.3	48.7	49.2
37.0	45.1	45.6	46.0	46.4	46.8	47.2	48.0	48.4	48.6	49.0	49.5
37.4	45.4	45.9	46.3	46.7	47.1	47.5	48.3	48.7	48.9	49.3	49.8
37.8	45.7	46.2	46.6	47.0	47.4	47.8	48.6	49.0	49.2	49.6	50.1
38.2	46.0	46.5	46.9	47.3	47.7	48.1	48.9	49.3	49.5	49.9	50.4
38.6	46.3	46.8	47.2	47.6	48.0	48.4	49.2	49.6	49.8	50.2	50.7
39.0	46.6	47.1	47.5	47.9	48.3	48.7	49.5	49.9	50.1	50.5	51.0
39.4	46.9	47.4	47.8	48.2	48.6	49.0	49.8	50.2	50.4	50.8	51.3
39.8	47.2	47.7	48.1	48.5	48.9	49.3	50.1	50.5	50.7	51.1	51.6
40.2	47.5	48.0	48.4	48.8	49.2	49.6	50.4	50.8	51.0	51.4	51.9
40.6	47.8	48.3	48.7	49.1	49.5	49.9	50.7	51.1	51.3	51.7	52.2
41.0	48.1	48.6	49.0	49.4	49.8	50.2	51.0	51.4	51.6	52.0	52.5
41.4	48.4	48.9	49.3	49.7	50.1	50.5	51.3	51.7	51.9	52.3	52.8
41.8	48.7	49.2	49.6	50.0	50.4	50.8	51.6	52.0	52.2	52.6	53.1
42.2	49.0	49.5	49.9	50.3	50.7	51.1	51.9	52.3	52.5	52.9	53.4
42.6	49.3	49.8	50.2	50.6	51.0	51.4	52.2	52.6	52.8	53.2	53.7
43.0	49.6	50.1	50.5	50.9	51.3	51.7	52.5	52.9	53.1	53.5	54.0
43.4	49.9	50.4	50.8	51.2	51.6	52.0	52.8	53.2	53.4	53.8	54.3
43.8	50.2	50.7	51.1	51.5	51.9	52.3	53.1	53.5	53.7	54.1	54.6
44.2	50.5	51.0	51.4	51.8	52.2	52.6	53.4	53.8	54.0	54.4	54.9
44.6	50.8	51.3	51.7	52.1	52.5	52.9	53.7	54.1	54.3	54.7	55.2
45.0	51.1	51.6	52.0	52.4	52.8	53.2	54.0	54.4	54.6	55.0	55.5
45.4	51.4	51.9	52.3	52.7	53.1	53.5	54.3	54.7	54.9	55.3	55.8
45.8	51.7	52.2	52.6	53.0	53.4	53.8	54.6	55.0	55.2	55.6	56.1
46.2	52.0	52.5	52.9	53.3	53.7	54.1	54.9	55.3	55.5	55.9	56.4
46.6	52.3	52.8	53.2	53.6	54.0	54.4	55.2	55.6	55.8	56.2	56.7
47.0	52.6	53.1	53.5	53.9	54.3	54.7	55.5	55.9	56.1	56.5	57.0
47.4	52.9	53.4	53.8	54.2	54.6	55.0	55.8	56.2	56.4	56.8	57.3
47.8	53.2	53.7	54.1	54.5	54.9	55.3	56.1	56.5	56.7	57.1	57.6
48.2	53.5	54.0	54.4	54.8	55.2	55.6	56.4	56.8	57.0	57.4	57.9
48.6	53.8	54.3	54.7	55.1	55.5	55.9	56.7	57.1	57.3	57.7	58.2
49.0	54.1	54.6	55.0	55.4	55.8	56.2	57.0	57.4	57.6	58.0	58.5
49.4	54.4	54.9	55.3	55.7	56.1	56.5	57.3	57.7			

TABLE PAGE 261

TABLE A-1 CONTINUED

TEMP DEG C	9.30	9.31	9.32	9.33	9.34	PH 9.35	9.36	9.37	9.38	9.39	9.40
14.0	33.6	34.1	34.6	35.2	35.7	36.2	36.8	37.3	37.8	38.4	38.9
14.2	34.0	34.5	35.0	35.5	36.0	36.6	37.1	37.6	38.2	38.7	39.3
14.4	34.3	34.8	35.3	35.8	36.3	36.9	37.5	38.0	38.5	39.1	39.7
14.6	34.6	35.1	35.6	36.1	36.6	37.2	37.8	38.3	38.8	39.4	40.0
14.8	35.0	35.5	36.0	36.5	37.0	37.6	38.2	38.7	39.3	39.8	40.4
15.0	35.3	35.8	36.3	36.8	37.3	37.9	38.5	39.0	39.6	40.1	40.7
15.2	35.7	36.2	36.7	37.2	37.7	38.3	38.9	39.4	40.0	40.5	41.1
15.4	36.0	36.5	37.0	37.5	38.0	38.6	39.2	39.7	40.3	40.8	41.5
15.6	36.4	36.9	37.4	37.9	38.4	39.0	39.6	40.1	40.7	41.2	41.8
15.8	36.7	37.2	37.7	38.2	38.7	39.3	39.9	40.4	41.0	41.5	42.2
16.0	37.1	37.6	38.1	38.6	39.1	39.7	40.3	40.8	41.4	41.9	42.6
16.2	37.4	37.9	38.4	38.9	39.4	40.0	40.6	41.1	41.7	42.2	42.9
16.4	37.8	38.3	38.8	39.3	39.8	40.4	41.0	41.5	42.1	42.6	43.3
16.6	38.1	38.6	39.1	39.6	40.1	40.7	41.3	41.8	42.4	42.9	43.7
16.8	38.5	39.0	39.5	40.0	40.5	41.1	41.7	42.2	42.8	43.3	44.0
17.0	38.8	39.3	39.8	40.3	40.8	41.4	42.0	42.5	43.1	43.6	44.4
17.2	39.2	39.7	40.2	40.7	41.2	41.8	42.4	42.9	43.5	44.0	44.8
17.4	39.5	40.0	40.5	41.0	41.5	42.1	42.7	43.2	43.8	44.3	45.1
17.6	39.9	40.4	40.9	41.4	41.9	42.5	43.1	43.6	44.2	44.7	45.5
17.8	40.2	40.7	41.2	41.7	42.2	42.8	43.4	43.9	44.5	45.0	45.8
18.0	40.6	41.1	41.6	42.1	42.6	43.2	43.8	44.3	44.9	45.4	46.2
18.2	41.0	41.5	42.0	42.5	43.0	43.6	44.2	44.7	45.3	45.8	46.6
18.4	41.3	41.8	42.3	42.8	43.3	43.9	44.5	45.0	45.6	46.1	46.9
18.6	41.7	42.2	42.7	43.2	43.7	44.3	44.9	45.4	46.0	46.5	47.3
18.8	42.1	42.6	43.1	43.6	44.1	44.7	45.3	45.8	46.4	46.9	47.7
19.0	42.5	43.0	43.5	44.0	44.5	45.1	45.7	46.2	46.8	47.3	48.1
19.2	42.9	43.4	43.9	44.4	44.9	45.5	46.1	46.6	47.2	47.7	48.5
19.4	43.3	43.8	44.3	44.8	45.3	45.9	46.5	47.0	47.6	48.1	48.9
19.6	43.7	44.2	44.7	45.2	45.7	46.3	46.9	47.4	48.0	48.5	49.3
19.8	44.1	44.6	45.1	45.6	46.1	46.7	47.3	47.8	48.4	48.9	49.7
20.0	44.5	45.0	45.5	46.0	46.5	47.1	47.7	48.2	48.8	49.3	50.1
20.2	44.9	45.4	45.9	46.4	46.9	47.5	48.1	48.6	49.2	49.7	50.5
20.4	45.3	45.8	46.3	46.8	47.3	47.9	48.5	49.0	49.6	50.1	50.9
20.6	45.7	46.2	46.7	47.2	47.7	48.3	48.9	49.4	50.0	50.5	51.3
20.8	46.1	46.6	47.1	47.6	48.1	48.7	49.3	49.8	50.4	50.9	51.7
21.0	46.5	47.0	47.5	48.0	48.5	49.1	49.7	50.2	50.8	51.3	52.1

TABLE A-1 CONTINUED

TEMP DEG C	9.30	9.31	9.32	9.33	9.34	PH 9.35	9.36	9.37	9.38	9.39	9.40
21.0	46.0	46.6	47.2	47.7	48.3	48.9	49.5	50.0	50.6	51.1	51.6
21.2	46.7	47.3	47.9	48.5	49.1	49.6	50.2	50.7	51.3	51.8	52.3
21.4	47.1	47.7	48.3	48.9	49.5	50.0	50.6	51.1	51.7	52.2	52.7
21.6	47.4	48.0	48.6	49.2	49.8	50.3	50.9	51.4	52.0	52.5	53.0
21.8	47.8	48.4	49.0	49.6	50.2	50.7	51.3	51.8	52.4	52.9	53.4
22.0	48.2	48.8	49.4	50.0	50.6	51.1	51.7	52.2	52.8	53.3	53.8
22.2	48.5	49.1	49.7	50.3	50.9	51.4	52.0	52.5	53.1	53.6	54.1
22.4	48.9	49.5	50.1	50.7	51.3	51.8	52.4	52.9	53.5	54.0	54.5
22.6	49.2	49.8	50.4	51.0	51.6	52.1	52.7	53.2	53.8	54.3	54.8
22.8	49.6	50.2	50.8	51.4	52.0	52.5	53.1	53.6	54.2	54.7	55.2
23.0	50.0	50.6	51.2	51.8	52.4	52.9	53.5	54.0	54.6	55.1	55.6
23.2	50.3	50.9	51.5	52.1	52.7	53.2	53.8	54.3	54.9	55.4	55.9
23.4	50.7	51.3	51.9	52.5	53.1	53.6	54.2	54.7	55.3	55.8	56.3
23.6	51.1	51.7	52.3	52.9	53.5	54.0	54.6	55.1	55.7	56.2	56.7
23.8	51.4	52.0	52.6	53.2	53.8	54.3	54.9	55.4	56.0	56.5	57.0
24.0	51.7	52.3	52.9	53.5	54.1	54.6	55.2	55.7	56.3	56.8	57.3
24.2	52.1	52.7	53.3	53.9	54.5	55.0	55.6	56.1	56.7	57.2	57.7
24.4	52.5	53.1	53.7	54.3	54.9	55.4	56.0	56.5	57.1	57.6	58.1
24.6	52.8	53.4	54.0	54.6	55.2	55.7	56.3	56.8	57.4	57.9	58.4
24.8	53.2	53.8	54.4	55.0	55.6	56.1	56.7	57.2	57.8	58.3	58.8
25.0	53.5	54.1	54.7	55.3	55.9	56.4	57.0	57.5	58.1	58.6	59.1
25.2	53.9	54.5	55.1	55.7	56.3	56.8	57.4	57.9	58.5	59.0	59.5
25.4	54.2	54.8	55.4	56.0	56.6	57.1	57.7	58.2	58.8	59.3	59.8
25.6	54.6	55.2	55.8	56.4	57.0	57.5	58.1	58.6	59.2	59.7	60.2
25.8	54.9	55.5	56.1	56.7	57.3	57.8	58.4	58.9	59.5	60.0	60.5
26.0	55.3	55.9	56.5	57.1	57.7	58.2	58.8	59.3	59.9	60.4	60.9
26.2	55.6	56.2	56.8	57.4	58.0	58.5	59.1	59.6	60.2	60.7	61.2
26.4	55.9	56.5	57.1	57.7	58.3	58.8	59.4	59.9	60.5	61.0	61.5
26.6	56.3	56.9	57.5	58.1	58.7	59.2	59.8	60.3	60.9	61.4	61.9
26.8	56.6	57.2	57.8	58.4	59.0	59.5	60.1	60.6	61.2	61.7	62.2
27.0	57.0	57.6	58.2	58.8	59.4	59.9	60.5	61.0	61.6	62.1	62.6
27.2	57.3	57.9	58.5	59.1	59.7	60.2	60.8	61.3	61.9	62.4	62.9
27.4	57.7	58.3	58.9	59.5	60.1	60.6	61.2	61.7	62.3	62.8	63.3
27.6	58.0	58.6	59.2	59.8	60.4	60.9	61.5	62.0	62.6	63.1	63.6

TABLE A-1 CONTINUED

TEMP DEG C	9.30	9.31	9.32	9.33	9.34	PH 9.35	9.36	9.37	9.38	9.39	9.40
28.0	58.3	58.2	59.4	60.3	60.9	61.4	62.0	62.5	63.1	63.9	64.8
28.2	58.7	59.0	59.8	60.7	61.2	61.8	62.3	62.8	63.4	64.2	65.1
28.4	59.1	59.6	60.1	61.0	61.5	62.1	62.6	63.1	63.7	64.5	65.4
28.6	59.5	60.0	60.8	61.3	61.8	62.4	62.9	63.4	64.0	64.8	65.7
28.8	60.0	60.6	61.1	61.6	62.2	62.7	63.2	63.7	64.3	65.1	66.0
29.0	60.4	61.0	61.8	62.3	62.8	63.4	63.9	64.4	65.0	65.8	66.7
29.2	60.9	61.5	62.2	62.9	63.5	64.0	64.5	65.1	65.7	66.5	67.4
29.4	61.3	61.9	62.7	63.3	63.8	64.4	64.9	65.5	66.1	66.9	67.8
29.6	61.8	62.4	63.1	63.8	64.4	64.9	65.5	66.1	66.7	67.5	68.4
30.0	62.3	62.9	63.6	64.3	64.9	65.5	66.1	66.7	67.3	68.1	69.0
30.2	62.7	63.3	64.0	64.7	65.3	65.9	66.5	67.1	67.7	68.5	69.4
30.4	63.1	63.7	64.4	65.1	65.7	66.3	66.9	67.5	68.1	68.9	69.8
30.6	63.5	64.1	64.8	65.5	66.1	66.7	67.3	67.9	68.5	69.3	70.2
31.0	64.0	64.6	65.3	66.0	66.6	67.2	67.8	68.4	69.0	69.8	70.7
31.2	64.4	65.0	65.7	66.4	67.0	67.6	68.2	68.8	69.4	70.2	71.1
31.4	64.8	65.4	66.1	66.8	67.4	68.0	68.6	69.2	69.8	70.6	71.5
31.6	65.2	65.8	66.5	67.2	67.8	68.4	69.0	69.6	70.2	71.0	71.9
32.0	65.7	66.3	67.0	67.7	68.3	68.9	69.5	70.1	70.7	71.5	72.4
32.2	66.1	66.7	67.4	68.1	68.7	69.3	69.9	70.5	71.1	71.9	72.8
32.4	66.5	67.1	67.8	68.5	69.1	69.7	70.3	70.9	71.5	72.3	73.2
32.6	66.9	67.5	68.2	68.9	69.5	70.1	70.7	71.3	71.9	72.7	73.6
33.0	67.4	68.0	68.7	69.4	70.0	70.6	71.2	71.8	72.4	73.2	74.1
33.2	67.8	68.4	69.1	69.8	70.4	71.0	71.6	72.2	72.8	73.6	74.5
33.4	68.2	68.8	69.5	70.2	70.8	71.4	72.0	72.6	73.2	74.0	74.9
34.0	68.8	69.4	70.1	70.8	71.4	72.0	72.6	73.2	73.8	74.6	75.5
34.2	69.2	69.8	70.5	71.2	71.8	72.4	73.0	73.6	74.2	75.0	75.9
34.4	69.6	70.2	70.9	71.6	72.2	72.8	73.4	74.0	74.6	75.4	76.3
34.6	70.0	70.6	71.3	72.0	72.6	73.2	73.8	74.4	75.0	75.8	76.7
35.0	70.5	71.1	71.8	72.5	73.1	73.7	74.3	74.9	75.5	76.3	77.2

TABLE A-1 CONTINUED

TEMP DEG C	9.30	9.31	9.32	9.33	9.34	PH 9.35	9.36	9.37	9.38	9.39	5.40
35.0	69.2	69.0	70.5	70.9	71.4	71.6	72.3	72.8	73.0	73.4	73.9
35.2	69.5	70.3	70.7	71.0	71.7	71.9	72.6	73.1	73.5	74.0	74.4
35.4	69.8	70.5	71.0	71.5	72.0	72.4	73.0	73.6	74.0	74.5	74.9
35.6	70.1	70.8	71.3	71.8	72.5	72.9	73.4	74.0	74.3	74.8	75.1
36.0	70.6	71.1	71.6	72.0	72.5	72.9	73.4	74.0	74.3	74.8	75.1
36.2	70.9	71.4	71.8	72.3	72.7	73.2	73.6	74.1	74.5	75.0	75.4
36.4	71.1	71.6	72.1	72.5	73.0	73.5	74.0	74.6	75.0	75.5	75.9
36.6	71.4	71.9	72.4	72.8	73.3	73.8	74.4	75.0	75.5	76.0	76.4
36.8	71.7	72.2	72.7	73.1	73.6	74.2	74.6	75.1	75.6	76.1	76.5
37.0	71.9	72.4	72.9	73.3	73.8	74.4	74.9	75.4	75.9	76.4	76.8
37.2	72.5	72.9	73.4	73.8	74.3	74.7	75.1	75.6	76.0	76.5	76.9
37.4	72.7	73.2	73.6	74.0	74.5	75.0	75.4	75.9	76.3	76.8	77.2
37.6	73.0	73.5	73.9	74.3	74.8	75.3	75.7	76.2	76.6	77.1	77.5
38.0	73.2	73.7	74.1	74.5	75.0	75.4	75.9	76.3	76.8	77.2	77.6
38.2	73.5	73.9	74.4	74.8	75.2	75.7	76.1	76.5	77.0	77.4	77.8
38.4	73.7	74.2	74.6	75.0	75.4	75.9	76.3	76.7	77.2	77.6	78.0
38.6	74.0	74.4	74.9	75.3	75.7	76.1	76.5	77.0	77.4	77.8	78.2
38.8	74.2	74.7	75.1	75.5	76.0	76.4	76.8	77.2	77.6	78.0	78.4
39.0	74.5	74.9	75.4	75.8	76.2	76.6	77.0	77.4	77.8	78.2	78.6
39.2	74.7	75.2	75.6	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8
39.4	75.0	75.5	75.9	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1
39.6	75.2	75.7	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3
39.8	75.5	75.9	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5
40.0	75.7	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.7

TABLE A-1 CONTINUED

TEMP DEG C	9.40	9.41	9.42	9.43	9.44	PH 9.45	9.46	9.47	9.48	9.49	5.50
0	17.4	17.5	17.9	18.5	18.8	19.2	19.5	19.6	20.0	20.4	20.7
2	17.4	17.8	18.4	18.7	19.1	19.4	19.8	20.0	20.5	20.9	21.3
4	17.9	18.3	18.6	19.0	19.3	19.7	20.1	20.7	21.1	21.5	21.9
6	18.2	18.5	18.9	19.2	19.6	20.0	20.4	21.0	21.4	21.7	22.1
8	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
10	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
12	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
14	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
16	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
18	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
20	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
22	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
24	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
26	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
28	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
30	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
32	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
34	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
36	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
38	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
40	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
42	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
44	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
46	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
48	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1
50	18.4	18.8	19.1	19.5	19.8	20.2	20.6	21.0	21.4	21.7	22.1

TABLE A-1 CONTINUED

TEMP DEG C	9.40	9.41	9.42	9.43	9.44	PH 9.45	9.46	9.47	9.48	9.49	9.50
7.0	27.0	27.4	27.8	28.2	28.6	29.0	29.4	30.0	30.4	31.0	31.4
7.2	27.3	27.7	28.1	28.5	28.9	29.3	29.7	30.3	30.7	31.3	31.7
7.4	27.6	28.0	28.4	28.8	29.2	29.6	30.0	30.6	31.0	31.6	32.0
7.6	27.9	28.3	28.7	29.1	29.5	29.9	30.3	30.9	31.3	31.9	32.3
7.8	28.2	28.6	29.0	29.4	29.8	30.2	30.6	31.2	31.6	32.2	32.6
8.0	28.6	29.0	29.4	29.8	30.2	30.6	31.0	31.6	32.0	32.6	33.0
8.2	29.0	29.4	29.8	30.2	30.6	31.0	31.4	32.0	32.4	33.0	33.4
8.4	29.5	29.9	30.3	30.7	31.1	31.5	31.9	32.5	32.9	33.5	33.9
8.6	29.9	30.3	30.7	31.1	31.5	31.9	32.3	32.9	33.3	33.9	34.3
8.8	30.2	30.6	31.0	31.4	31.8	32.2	32.6	33.2	33.6	34.2	34.6
9.0	30.6	31.0	31.4	31.8	32.2	32.6	33.0	33.6	34.0	34.6	35.0
9.2	31.0	31.4	31.8	32.2	32.6	33.0	33.4	34.0	34.4	35.0	35.4
9.4	31.5	31.9	32.3	32.7	33.1	33.5	33.9	34.5	34.9	35.5	35.9
9.6	32.0	32.4	32.8	33.2	33.6	34.0	34.4	35.0	35.4	36.0	36.4
9.8	32.5	32.9	33.3	33.7	34.1	34.5	34.9	35.5	35.9	36.5	36.9
10.0	33.0	33.4	33.8	34.2	34.6	35.0	35.4	36.0	36.4	37.0	37.4
10.2	33.5	33.9	34.3	34.7	35.1	35.5	35.9	36.5	36.9	37.5	37.9
10.4	34.0	34.4	34.8	35.2	35.6	36.0	36.4	37.0	37.4	38.0	38.4
10.6	34.5	34.9	35.3	35.7	36.1	36.5	36.9	37.5	37.9	38.5	38.9
10.8	35.0	35.4	35.8	36.2	36.6	37.0	37.4	38.0	38.4	39.0	39.4
11.0	35.5	35.9	36.3	36.7	37.1	37.5	37.9	38.5	38.9	39.5	39.9
11.2	36.0	36.4	36.8	37.2	37.6	38.0	38.4	39.0	39.4	40.0	40.4
11.4	36.5	36.9	37.3	37.7	38.1	38.5	38.9	39.5	39.9	40.5	40.9
11.6	37.0	37.4	37.8	38.2	38.6	39.0	39.4	40.0	40.4	41.0	41.4
11.8	37.5	37.9	38.3	38.7	39.1	39.5	39.9	40.5	40.9	41.5	41.9
12.0	38.0	38.4	38.8	39.2	39.6	40.0	40.4	41.0	41.4	42.0	42.4
12.2	38.5	38.9	39.3	39.7	40.1	40.5	40.9	41.5	41.9	42.5	42.9
12.4	39.0	39.4	39.8	40.2	40.6	41.0	41.4	42.0	42.4	43.0	43.4
12.6	39.5	39.9	40.3	40.7	41.1	41.5	41.9	42.5	42.9	43.5	43.9
12.8	40.0	40.4	40.8	41.2	41.6	42.0	42.4	43.0	43.4	44.0	44.4
13.0	40.5	40.9	41.3	41.7	42.1	42.5	42.9	43.5	43.9	44.5	44.9
13.2	41.0	41.4	41.8	42.2	42.6	43.0	43.4	44.0	44.4	45.0	45.4
13.4	41.5	41.9	42.3	42.7	43.1	43.5	43.9	44.5	44.9	45.5	45.9

TABLE A-1 CONTINUED

TEMP DEG C	9.40	9.41	9.42	9.43	9.44	PH 9.45	9.46	9.47	9.48	9.49	9.50
14.0	38.9	39.5	40.9	40.6	41.1	7.1	3.2	4.3	4.3	4.4	4.4
14.2	39.3	39.8	40.4	40.9	41.5	7.1	3.6	4.3	4.3	4.4	4.4
14.4	39.7	40.2	40.8	41.1	41.9	7.1	3.3	4.3	4.3	4.4	4.4
14.6	40.0	40.6	41.1	41.7	42.3	7.1	3.3	4.3	4.3	4.4	4.4
14.8	40.4	41.0	41.5	42.1	42.3	7.1	3.3	4.3	4.3	4.4	4.4
15.0	40.7	41.3	41.9	42.4	42.3	7.1	3.3	4.3	4.3	4.4	4.4
15.2	41.1	41.7	42.2	42.8	43.3	9.3	5.9	5.1	5.0	4.6	4.6
15.4	41.5	42.0	42.6	43.1	43.8	9.3	5.2	4.5	4.6	4.7	4.7
15.6	41.8	42.3	42.9	43.4	44.0	9.3	5.5	4.6	4.6	4.7	4.7
15.8	42.2	42.7	43.3	43.8	44.4	9.3	5.6	4.6	4.6	4.7	4.7
16.0	42.6	43.1	43.7	44.2	44.8	9.3	6.7	4.7	4.7	4.8	4.8
16.2	43.0	43.5	44.0	44.5	45.1	9.3	6.7	4.7	4.7	4.8	4.8
16.4	43.3	43.8	44.3	44.8	45.4	9.3	6.7	4.7	4.7	4.8	4.8
16.6	43.7	44.2	44.7	45.2	45.8	9.3	6.7	4.7	4.7	4.8	4.8
16.8	44.0	44.5	45.0	45.5	46.1	9.3	6.7	4.7	4.7	4.8	4.8
17.0	44.4	44.9	45.4	45.9	46.5	9.3	6.7	4.7	4.7	4.8	4.8
17.2	44.8	45.3	45.8	46.3	46.9	9.3	6.7	4.7	4.7	4.8	4.8
17.4	45.2	45.7	46.2	46.7	47.3	9.3	6.7	4.7	4.7	4.8	4.8
17.6	45.5	46.0	46.5	47.0	47.6	9.3	6.7	4.7	4.7	4.8	4.8
17.8	45.9	46.4	46.9	47.4	48.0	9.3	6.7	4.7	4.7	4.8	4.8
18.0	46.3	46.8	47.3	47.8	48.4	9.3	6.7	4.7	4.7	4.8	4.8
18.2	46.6	47.1	47.6	48.1	48.7	9.3	6.7	4.7	4.7	4.8	4.8
18.4	47.0	47.5	48.0	48.5	49.1	9.3	6.7	4.7	4.7	4.8	4.8
18.6	47.4	47.9	48.4	48.9	49.5	9.3	6.7	4.7	4.7	4.8	4.8
18.8	47.8	48.3	48.8	49.3	49.9	9.3	6.7	4.7	4.7	4.8	4.8
19.0	48.2	48.7	49.2	49.7	50.3	9.3	6.7	4.7	4.7	4.8	4.8
19.2	48.6	49.1	49.6	50.1	50.7	9.3	6.7	4.7	4.7	4.8	4.8
19.4	49.0	49.5	50.0	50.5	51.1	9.3	6.7	4.7	4.7	4.8	4.8
19.6	49.4	49.9	50.4	50.9	51.5	9.3	6.7	4.7	4.7	4.8	4.8
19.8	49.8	50.3	50.8	51.3	51.9	9.3	6.7	4.7	4.7	4.8	4.8
20.0	50.2	50.7	51.2	51.7	52.3	9.3	6.7	4.7	4.7	4.8	4.8
20.2	50.6	51.1	51.6	52.1	52.7	9.3	6.7	4.7	4.7	4.8	4.8
20.4	51.0	51.5	52.0	52.5	53.1	9.3	6.7	4.7	4.7	4.8	4.8
20.6	51.4	51.9	52.4	52.9	53.5	9.3	6.7	4.7	4.7	4.8	4.8
20.8	51.8	52.3	52.8	53.3	53.9	9.3	6.7	4.7	4.7	4.8	4.8
21.0	52.2	52.7	53.2	53.7	54.3	9.3	6.7	4.7	4.7	4.8	4.8

TABLE A-1 CONTINUED

TEMP DEG C	9.40	9.41	9.42	9.43	9.44	PH 9.45	9.46	9.47	9.48	9.49	9.50
21.0	51.8	52.3	52.8	53.3	53.8	54.3	54.8	55.3	55.8	56.3	56.8
21.2	52.1	52.6	53.1	53.6	54.1	54.6	55.1	55.6	56.1	56.6	57.1
21.4	52.5	53.0	53.5	54.0	54.5	55.0	55.5	56.0	56.5	57.0	57.5
21.6	52.9	53.4	53.9	54.4	54.9	55.4	55.9	56.4	56.9	57.4	57.9
21.8	53.3	53.8	54.3	54.8	55.3	55.8	56.3	56.8	57.3	57.8	58.3
22.0	53.7	54.2	54.7	55.2	55.7	56.2	56.7	57.2	57.7	58.2	58.7
22.2	54.1	54.6	55.1	55.6	56.1	56.6	57.1	57.6	58.1	58.6	59.1
22.4	54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5
22.6	54.9	55.4	55.9	56.4	56.9	57.4	57.9	58.4	58.9	59.4	59.9
22.8	55.3	55.8	56.3	56.8	57.3	57.8	58.3	58.8	59.3	59.8	60.3
23.0	55.7	56.2	56.7	57.2	57.7	58.2	58.7	59.2	59.7	60.2	60.7
23.2	56.1	56.6	57.1	57.6	58.1	58.6	59.1	59.6	60.1	60.6	61.1
23.4	56.5	57.0	57.5	58.0	58.5	59.0	59.5	60.0	60.5	61.0	61.5
23.6	56.9	57.4	57.9	58.4	58.9	59.4	59.9	60.4	60.9	61.4	61.9
23.8	57.3	57.8	58.3	58.8	59.3	59.8	60.3	60.8	61.3	61.8	62.3
24.0	57.7	58.2	58.7	59.2	59.7	60.2	60.7	61.2	61.7	62.2	62.7
24.2	58.1	58.6	59.1	59.6	60.1	60.6	61.1	61.6	62.1	62.6	63.1
24.4	58.5	59.0	59.5	60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5
24.6	58.9	59.4	59.9	60.4	60.9	61.4	61.9	62.4	62.9	63.4	63.9
24.8	59.3	59.8	60.3	60.8	61.3	61.8	62.3	62.8	63.3	63.8	64.3
25.0	59.7	60.2	60.7	61.2	61.7	62.2	62.7	63.2	63.7	64.2	64.7
25.2	60.1	60.6	61.1	61.6	62.1	62.6	63.1	63.6	64.1	64.6	65.1
25.4	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.5
25.6	60.9	61.4	61.9	62.4	62.9	63.4	63.9	64.4	64.9	65.4	65.9
25.8	61.3	61.8	62.3	62.8	63.3	63.8	64.3	64.8	65.3	65.8	66.3
26.0	61.7	62.2	62.7	63.2	63.7	64.2	64.7	65.2	65.7	66.2	66.7
26.2	62.1	62.6	63.1	63.6	64.1	64.6	65.1	65.6	66.1	66.6	67.1
26.4	62.5	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.5
26.6	62.9	63.4	63.9	64.4	64.9	65.4	65.9	66.4	66.9	67.4	67.9
26.8	63.3	63.8	64.3	64.8	65.3	65.8	66.3	66.8	67.3	67.8	68.3
27.0	63.7	64.2	64.7	65.2	65.7	66.2	66.7	67.2	67.7	68.2	68.7
27.2	64.1	64.6	65.1	65.6	66.1	66.6	67.1	67.6	68.1	68.6	69.1
27.4	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5
27.6	64.9	65.4	65.9	66.4	66.9	67.4	67.9	68.4	68.9	69.4	69.9
27.8	65.3	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3
28.0	65.7	66.2	66.7	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7

TABLE A-1 CONTINUED

TEMP DEG C	9.40	9.41	9.42	9.43	9.44	PH 9.45	9.46	9.47	9.48	9.49	9.50
28.0	63.8	64.3	64.9	65.4	65.9	66.4	66.9	67.4	67.5	68.4	68.9
28.2	64.1	64.6	65.2	65.7	66.2	66.7	67.2	67.7	68.2	69.0	69.5
28.4	64.4	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.3	69.8
28.6	64.8	65.3	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.6	70.1
28.8	65.1	65.6	66.1	66.6	67.1	67.6	68.1	68.6	69.1	69.9	70.4
29.0	65.4	65.9	66.4	66.9	67.4	67.9	68.4	68.9	69.4	70.2	70.7
29.2	65.7	66.2	66.7	67.2	67.7	68.2	68.7	69.2	69.7	70.5	71.0
29.4	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.8	71.3
29.6	66.3	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3	71.1	71.6
29.8	66.6	67.1	67.6	68.1	68.6	69.1	69.6	70.1	70.6	71.4	71.9
30.0	66.9	67.4	67.9	68.4	68.9	69.4	69.9	70.4	70.9	71.7	72.2
30.2	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7	71.2	72.0	72.5
30.4	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.3	72.8
30.6	67.8	68.3	68.8	69.3	69.8	70.3	70.8	71.3	71.8	72.6	73.1
30.8	68.1	68.6	69.1	69.6	70.1	70.6	71.1	71.6	72.1	72.9	73.4
31.0	68.4	68.9	69.4	69.9	70.4	70.9	71.4	71.9	72.4	73.2	73.7
31.2	68.7	69.2	69.7	70.2	70.7	71.2	71.7	72.2	72.7	73.5	74.0
31.4	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.8	74.3
31.6	69.3	69.8	70.3	70.8	71.3	71.8	72.3	72.8	73.3	74.1	74.6
31.8	69.6	70.1	70.6	71.1	71.6	72.1	72.6	73.1	73.6	74.4	74.9
32.0	69.9	70.4	70.9	71.4	71.9	72.4	72.9	73.4	73.9	74.7	75.2
32.2	70.2	70.7	71.2	71.7	72.2	72.7	73.2	73.7	74.2	75.0	75.5
32.4	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.3	75.8
32.6	70.8	71.3	71.8	72.3	72.8	73.3	73.8	74.3	74.8	75.6	76.1
32.8	71.1	71.6	72.1	72.6	73.1	73.6	74.1	74.6	75.1	75.9	76.4
33.0	71.4	71.9	72.4	72.9	73.4	73.9	74.4	74.9	75.4	76.2	76.7
33.2	71.7	72.2	72.7	73.2	73.7	74.2	74.7	75.2	75.7	76.5	77.0
33.4	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.8	77.3
33.6	72.3	72.8	73.3	73.8	74.3	74.8	75.3	75.8	76.3	77.1	77.6
33.8	72.6	73.1	73.6	74.1	74.6	75.1	75.6	76.1	76.6	77.4	77.9
34.0	72.9	73.4	73.9	74.4	74.9	75.4	75.9	76.4	76.9	77.7	78.2
34.2	73.2	73.7	74.2	74.7	75.2	75.7	76.2	76.7	77.2	78.0	78.5
34.4	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.3	78.8
34.6	73.8	74.3	74.8	75.3	75.8	76.3	76.8	77.3	77.8	78.6	79.1
34.8	74.1	74.6	75.1	75.6	76.1	76.6	77.1	77.6	78.1	78.9	79.4
35.0	74.4	74.9	75.4	75.9	76.4	76.9	77.4	77.9	78.4	79.2	79.7

TABLE A-1 CONTINUED

TEMP DEG C	9.40	9.41	9.42	9.43	9.44	PH 9.45	9.46	9.47	9.48	9.49	9.50
35.0	73.9	74.3	74.8	75.2	75.6	76.1	76.5	76.9	77.3	77.7	78.1
35.2	74.2	74.6	75.0	75.5	75.9	76.3	76.7	77.1	77.5	77.9	78.3
35.4	74.4	74.8	75.3	75.7	76.1	76.5	76.9	77.4	77.8	78.1	78.5
35.6	74.7	75.1	75.5	75.9	76.4	76.8	77.2	77.6	78.0	78.4	78.8
35.8	74.9	75.3	75.8	76.2	76.6	77.0	77.4	77.8	78.2	78.6	79.0
36.0	75.1	75.6	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.2
36.2	75.4	75.8	76.2	76.6	77.1	77.5	77.9	78.3	78.6	79.0	79.4
36.4	75.6	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.2	79.6
36.6	75.9	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.8
36.8	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.7	80.0
37.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.1	79.5	79.9	80.3
37.2	76.6	77.0	77.4	77.8	78.2	78.6	79.0	79.4	79.7	80.1	80.5
37.4	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6	79.9	80.3	80.7
37.6	77.1	77.5	77.9	78.3	78.6	79.0	79.4	79.8	80.1	80.5	80.9
37.8	77.3	77.7	78.1	78.5	78.9	79.3	79.6	80.0	80.4	80.7	81.1
38.0	77.5	77.9	78.3	78.7	79.1	79.5	79.8	80.2	80.6	80.9	81.3
38.2	77.7	78.1	78.5	78.9	79.3	79.7	80.0	80.4	80.8	81.1	81.5
38.4	78.0	78.3	78.7	79.1	79.5	79.9	80.2	80.6	81.0	81.3	81.7
38.6	78.2	78.6	79.0	79.3	79.7	80.1	80.4	80.8	81.2	81.5	81.9
38.8	78.4	78.8	79.2	79.5	79.9	80.3	80.6	81.0	81.4	81.7	82.1
39.0	78.6	79.0	79.4	79.8	80.1	80.5	80.8	81.2	81.5	81.9	82.2
39.2	78.8	79.2	79.6	80.0	80.3	80.7	81.0	81.4	81.7	82.1	82.4
39.4	79.0	79.4	79.8	80.2	80.5	80.9	81.2	81.6	81.9	82.3	82.6
39.6	79.3	79.7	80.1	80.4	80.7	81.1	81.4	81.8	82.1	82.5	82.8
39.8	79.5	79.9	80.3	80.6	80.9	81.3	81.6	82.0	82.3	82.7	83.0
40.0	79.7	80.0	80.4	80.7	81.1	81.5	81.8	82.2	82.5	82.9	83.2

TABLE PAGE 271

TABLE A-1 CONTINUED

TEMP DEG C	9.50	9.51	9.52	9.53	9.54	PH 9.55	9.56	9.57	9.58	9.59	9.60
0	20.7	21.1	21.5	21.9	22.3	22.7	23.1	23.5	23.9	24.3	24.8
1	21.0	21.4	21.8	22.2	22.6	23.0	23.4	23.8	24.2	24.6	25.1
2	21.3	21.7	22.1	22.5	22.9	23.3	23.7	24.1	24.5	24.9	25.4
3	21.6	22.0	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.7
4	21.9	22.3	22.7	23.1	23.5	23.9	24.3	24.7	25.1	25.5	26.0
5	22.1	22.5	22.9	23.3	23.7	24.1	24.5	24.9	25.3	25.7	26.2
6	22.4	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.6	26.0	26.5
7	22.7	23.1	23.5	23.9	24.3	24.7	25.1	25.5	25.9	26.3	26.8
8	23.0	23.4	23.8	24.2	24.6	25.0	25.4	25.8	26.2	26.6	27.1
9	23.3	23.7	24.1	24.5	24.9	25.3	25.7	26.1	26.5	26.9	27.4
10	23.6	24.0	24.4	24.8	25.2	25.6	26.0	26.4	26.8	27.2	27.7
11	23.9	24.3	24.7	25.1	25.5	25.9	26.3	26.7	27.1	27.5	28.0
12	24.2	24.6	25.0	25.4	25.8	26.2	26.6	27.0	27.4	27.8	28.3
13	24.5	24.9	25.3	25.7	26.1	26.5	26.9	27.3	27.7	28.1	28.6
14	24.8	25.2	25.6	26.0	26.4	26.8	27.2	27.6	28.0	28.4	28.9
15	25.1	25.5	25.9	26.3	26.7	27.1	27.5	27.9	28.3	28.7	29.2
16	25.4	25.8	26.2	26.6	27.0	27.4	27.8	28.2	28.6	29.0	29.5
17	25.7	26.1	26.5	26.9	27.3	27.7	28.1	28.5	28.9	29.3	29.8
18	26.0	26.4	26.8	27.2	27.6	28.0	28.4	28.8	29.2	29.6	30.1
19	26.3	26.7	27.1	27.5	27.9	28.3	28.7	29.1	29.5	29.9	30.4
20	26.6	27.0	27.4	27.8	28.2	28.6	29.0	29.4	29.8	30.2	30.7
21	26.9	27.3	27.7	28.1	28.5	28.9	29.3	29.7	30.1	30.5	31.0
22	27.2	27.6	28.0	28.4	28.8	29.2	29.6	30.0	30.4	30.8	31.3
23	27.5	27.9	28.3	28.7	29.1	29.5	29.9	30.3	30.7	31.1	31.6
24	27.8	28.2	28.6	29.0	29.4	29.8	30.2	30.6	31.0	31.4	31.9
25	28.1	28.5	28.9	29.3	29.7	30.1	30.5	30.9	31.3	31.7	32.2
26	28.4	28.8	29.2	29.6	30.0	30.4	30.8	31.2	31.6	32.0	32.5
27	28.7	29.1	29.5	29.9	30.3	30.7	31.1	31.5	31.9	32.3	32.8
28	29.0	29.4	29.8	30.2	30.6	31.0	31.4	31.8	32.2	32.6	33.1
29	29.3	29.7	30.1	30.5	30.9	31.3	31.7	32.1	32.5	32.9	33.4
30	29.6	30.0	30.4	30.8	31.2	31.6	32.0	32.4	32.8	33.2	33.7
31	29.9	30.3	30.7	31.1	31.5	31.9	32.3	32.7	33.1	33.5	34.0
32	30.2	30.6	31.0	31.4	31.8	32.2	32.6	33.0	33.4	33.8	34.3
33	30.5	30.9	31.3	31.7	32.1	32.5	32.9	33.3	33.7	34.1	34.6
34	30.8	31.2	31.6	32.0	32.4	32.8	33.2	33.6	34.0	34.4	34.9
35	31.1	31.5	31.9	32.3	32.7	33.1	33.5	33.9	34.3	34.7	35.2
36	31.4	31.8	32.2	32.6	33.0	33.4	33.8	34.2	34.6	35.0	35.5
37	31.7	32.1	32.5	32.9	33.3	33.7	34.1	34.5	34.9	35.3	35.8
38	32.0	32.4	32.8	33.2	33.6	34.0	34.4	34.8	35.2	35.6	36.1
39	32.3	32.7	33.1	33.5	33.9	34.3	34.7	35.1	35.5	35.9	36.4
40	32.6	33.0	33.4	33.8	34.2	34.6	35.0	35.4	35.8	36.2	36.7

TABLE A-1 CONTINUED

TEMP DEG C	9.50	9.51	9.52	9.53	9.54	PH 9.55	9.56	9.57	9.58	9.59	9.60
7.0	31.7	32.2	32.7	33.2	33.7	34.3	34.8	35.3	35.8	36.4	36.9
7.2	32.0	32.5	33.0	33.5	34.0	34.6	35.1	35.6	36.1	36.7	37.2
7.4	32.4	32.9	33.4	33.9	34.4	35.0	35.5	36.0	36.5	37.1	37.6
7.6	32.8	33.3	33.8	34.3	34.8	35.4	35.9	36.4	36.9	37.5	38.0
7.8	33.1	33.6	34.1	34.6	35.1	35.7	36.2	36.7	37.2	37.8	38.3
8.0	33.5	34.0	34.5	35.0	35.5	36.1	36.6	37.1	37.6	38.2	38.7
8.2	33.8	34.3	34.8	35.3	35.8	36.4	36.9	37.4	37.9	38.5	39.0
8.4	34.2	34.7	35.2	35.7	36.2	36.8	37.3	37.8	38.3	38.9	39.4
8.6	34.5	35.0	35.5	36.0	36.5	37.1	37.6	38.1	38.6	39.2	39.7
8.8	34.9	35.4	35.9	36.4	36.9	37.5	38.0	38.5	39.0	39.6	40.1
9.0	35.3	35.8	36.3	36.8	37.3	37.9	38.4	38.9	39.4	40.0	40.5
9.2	35.6	36.1	36.6	37.1	37.6	38.2	38.7	39.2	39.7	40.3	40.8
9.4	36.0	36.5	37.0	37.5	38.0	38.6	39.1	39.6	40.1	40.7	41.2
9.6	36.3	36.8	37.3	37.8	38.3	38.9	39.4	39.9	40.4	41.0	41.5
9.8	36.7	37.2	37.7	38.2	38.7	39.3	39.8	40.3	40.8	41.4	41.9
10.0	37.1	37.6	38.1	38.6	39.1	39.7	40.2	40.7	41.2	41.8	42.3
10.2	37.4	37.9	38.4	38.9	39.4	40.0	40.5	41.0	41.5	42.1	42.6
10.4	37.8	38.3	38.8	39.3	39.8	40.4	40.9	41.4	41.9	42.5	43.0
10.6	38.2	38.7	39.2	39.7	40.2	40.8	41.3	41.8	42.3	42.9	43.4
10.8	38.5	39.0	39.5	40.0	40.5	41.1	41.6	42.1	42.6	43.2	43.7
11.0	38.9	39.4	39.9	40.4	40.9	41.5	42.0	42.5	43.0	43.6	44.1
11.2	39.3	39.8	40.3	40.8	41.3	41.9	42.4	42.9	43.4	44.0	44.5
11.4	39.7	40.2	40.7	41.2	41.7	42.3	42.8	43.3	43.8	44.4	44.9
11.6	40.1	40.6	41.1	41.6	42.1	42.7	43.2	43.7	44.2	44.8	45.3
11.8	40.5	41.0	41.5	42.0	42.5	43.1	43.6	44.1	44.6	45.2	45.7
12.0	41.0	41.5	42.0	42.5	43.0	43.6	44.1	44.6	45.1	45.7	46.2
12.2	41.4	41.9	42.4	42.9	43.4	44.0	44.5	45.0	45.5	46.1	46.6
12.4	41.8	42.3	42.8	43.3	43.8	44.4	44.9	45.4	45.9	46.5	47.0
12.6	42.2	42.7	43.2	43.7	44.2	44.8	45.3	45.8	46.3	46.9	47.4
12.8	42.6	43.1	43.6	44.1	44.6	45.2	45.7	46.2	46.7	47.3	47.8
13.0	43.0	43.5	44.0	44.5	45.0	45.6	46.1	46.6	47.1	47.7	48.2
13.2	43.4	43.9	44.4	44.9	45.4	46.0	46.5	47.0	47.5	48.1	48.6
13.4	43.8	44.3	44.8	45.3	45.8	46.4	46.9	47.4	47.9	48.5	49.0
13.6	44.2	44.7	45.2	45.7	46.2	46.8	47.3	47.8	48.3	48.9	49.4
13.8	44.6	45.1	45.6	46.1	46.6	47.2	47.7	48.2	48.7	49.3	49.8
14.0	45.0	45.5	46.0	46.5	47.0	47.6	48.1	48.6	49.1	49.7	50.2

TABLE PAGE 273

TABLE A-1 CONTINUED

TEMP DEG C	9.50	9.51	9.52	9.53	9.54	PH 9.55	9.56	9.57	9.58	9.59	9.60
14.0	44.5	45.1	45.7	46.2	46.8	47.4	48.0	48.5	49.1	49.7	50.3
14.2	44.9	45.5	46.0	46.6	47.2	47.8	48.3	48.8	49.4	50.0	50.6
14.4	45.3	45.8	46.3	46.9	47.5	48.1	48.6	49.1	49.7	50.3	50.9
14.6	45.6	46.2	46.7	47.3	47.9	48.5	49.0	49.5	50.1	50.7	51.3
14.8	46.0	46.6	47.1	47.7	48.3	48.9	49.4	50.0	50.6	51.2	51.8
15.0	46.4	47.0	47.5	48.1	48.7	49.3	49.8	50.4	51.0	51.6	52.2
15.2	46.8	47.4	47.9	48.5	49.1	49.7	50.2	50.8	51.4	52.0	52.6
15.4	47.2	47.7	48.3	48.9	49.5	50.1	50.6	51.2	51.8	52.4	53.0
15.6	47.5	48.1	48.6	49.2	49.8	50.4	50.9	51.5	52.1	52.7	53.3
15.8	47.9	48.5	49.0	49.6	50.2	50.8	51.3	51.9	52.5	53.1	53.7
16.0	48.3	48.8	49.4	50.0	50.6	51.2	51.7	52.3	52.9	53.5	54.1
16.2	48.7	49.3	49.8	50.4	51.0	51.6	52.1	52.7	53.3	53.9	54.5
16.4	49.1	49.6	50.2	50.8	51.4	52.0	52.5	53.1	53.7	54.3	54.9
16.6	49.5	50.0	50.6	51.2	51.8	52.4	52.9	53.5	54.1	54.7	55.3
16.8	49.9	50.4	51.0	51.6	52.2	52.8	53.3	53.9	54.5	55.1	55.7
17.0	50.3	50.8	51.4	52.0	52.6	53.2	53.7	54.3	54.9	55.5	56.1
17.2	50.7	51.2	51.8	52.4	53.0	53.6	54.1	54.7	55.3	55.9	56.5
17.4	51.1	51.6	52.2	52.8	53.4	54.0	54.5	55.1	55.7	56.3	56.9
17.6	51.5	52.0	52.6	53.2	53.8	54.4	54.9	55.5	56.1	56.7	57.3
17.8	51.9	52.4	53.0	53.6	54.2	54.8	55.3	55.9	56.5	57.1	57.7
18.0	52.3	52.8	53.4	54.0	54.6	55.2	55.7	56.3	56.9	57.5	58.1
18.2	52.7	53.2	53.8	54.4	55.0	55.6	56.1	56.7	57.3	57.9	58.5
18.4	53.1	53.6	54.2	54.8	55.4	56.0	56.5	57.1	57.7	58.3	58.9
18.6	53.5	54.0	54.6	55.2	55.8	56.4	56.9	57.5	58.1	58.7	59.3
18.8	53.9	54.4	55.0	55.6	56.2	56.8	57.3	57.9	58.5	59.1	59.7
19.0	54.3	54.8	55.4	56.0	56.6	57.2	57.7	58.3	58.9	59.5	60.1
19.2	54.7	55.2	55.8	56.4	57.0	57.6	58.1	58.7	59.3	59.9	60.5
19.4	55.1	55.6	56.2	56.8	57.4	58.0	58.5	59.1	59.7	60.3	60.9
19.6	55.5	56.0	56.6	57.2	57.8	58.4	58.9	59.5	60.1	60.7	61.3
19.8	55.9	56.4	57.0	57.6	58.2	58.8	59.3	59.9	60.5	61.1	61.7
20.0	56.3	56.8	57.4	58.0	58.6	59.2	59.7	60.3	60.9	61.5	62.1
20.2	56.7	57.2	57.8	58.4	59.0	59.6	60.1	60.7	61.3	61.9	62.5
20.4	57.1	57.6	58.2	58.8	59.4	60.0	60.5	61.1	61.7	62.3	62.9
20.6	57.5	58.0	58.6	59.2	59.8	60.4	60.9	61.5	62.1	62.7	63.3
20.8	57.9	58.4	59.0	59.6	60.2	60.8	61.3	61.9	62.5	63.1	63.7
21.0	58.3	58.8	59.4	60.0	60.6	61.2	61.7	62.3	62.9	63.5	64.1

TABLE A-1 CONTINUED

TEMP DEG C	9.50	9.51	9.52	9.53	9.54	PH 9.55	9.56	9.57	9.58	9.59	9.60
21.0	57.5	58.0	58.6	59.1	59.7	60.2	60.8	61.3	61.9	62.4	63.0
21.2	57.8	58.4	58.9	59.5	60.0	60.5	61.1	61.7	62.2	62.8	63.3
21.4	58.2	58.7	59.3	59.8	60.4	60.9	61.5	62.0	62.6	63.1	63.6
21.6	58.5	59.1	59.6	60.2	60.7	61.2	61.8	62.3	62.9	63.4	64.0
21.8	58.9	59.4	60.0	60.5	61.1	61.6	62.2	62.7	63.3	63.8	64.3
22.0	59.2	59.8	60.3	60.9	61.4	61.9	62.5	63.0	63.6	64.1	64.6
22.2	59.6	60.1	60.7	61.2	61.8	62.3	62.9	63.4	64.0	64.5	65.0
22.4	59.9	60.5	61.0	61.6	62.1	62.6	63.2	63.7	64.3	64.8	65.3
22.6	60.3	60.8	61.4	61.9	62.5	63.0	63.5	64.0	64.6	65.1	65.6
22.8	60.6	61.1	61.7	62.2	62.8	63.3	63.8	64.3	64.9	65.4	65.9
23.0	60.9	61.5	62.0	62.6	63.1	63.6	64.1	64.6	65.2	65.7	66.2
23.2	61.3	61.8	62.4	62.9	63.4	63.9	64.4	64.9	65.5	66.0	66.5
23.4	61.6	62.2	62.7	63.3	63.8	64.3	64.8	65.3	65.9	66.4	66.9
23.6	62.0	62.5	63.0	63.6	64.1	64.6	65.1	65.6	66.2	66.7	67.2
23.8	62.3	62.8	63.3	63.9	64.4	64.9	65.4	65.9	66.5	67.0	67.5
24.0	62.6	63.2	63.7	64.2	64.7	65.2	65.7	66.2	66.8	67.3	67.8
24.2	63.0	63.5	64.0	64.5	65.0	65.5	66.0	66.5	67.1	67.6	68.1
24.4	63.3	63.8	64.3	64.8	65.3	65.8	66.3	66.8	67.4	67.9	68.4
24.6	63.6	64.1	64.6	65.1	65.6	66.1	66.6	67.1	67.7	68.2	68.7
24.8	63.9	64.4	64.9	65.4	65.9	66.4	66.9	67.4	68.0	68.5	69.0
25.0	64.3	64.8	65.3	65.8	66.3	66.8	67.3	67.8	68.4	68.9	69.4
25.2	64.6	65.1	65.6	66.1	66.6	67.1	67.6	68.1	68.7	69.2	69.7
25.4	64.9	65.4	65.9	66.4	66.9	67.4	67.9	68.4	69.0	69.5	70.0
25.6	65.2	65.7	66.2	66.7	67.2	67.7	68.2	68.7	69.3	69.8	70.3
25.8	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.6	70.1	70.6
26.0	65.9	66.4	66.9	67.4	67.9	68.4	68.9	69.4	70.0	70.5	71.0
26.2	66.2	66.7	67.2	67.7	68.2	68.7	69.2	69.7	70.3	70.8	71.3
26.4	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.6	71.1	71.6
26.6	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3	70.9	71.4	71.9
26.8	67.1	67.6	68.1	68.6	69.1	69.6	70.1	70.6	71.2	71.7	72.2
27.0	67.4	67.9	68.4	68.9	69.4	69.9	70.4	70.9	71.5	72.0	72.5
27.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7	71.2	71.8	72.3	72.8
27.4	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.1	72.6	73.1
27.6	68.3	68.8	69.3	69.8	70.3	70.8	71.3	71.8	72.4	72.9	73.4
27.8	68.6	69.1	69.6	70.1	70.6	71.1	71.6	72.1	72.7	73.2	73.7
28.0	68.9	69.4	69.9	70.4	70.9	71.4	71.9	72.4	73.0	73.5	74.0

TABLE A-1 CONTINUED

TEMP
DEG C

9.50	9.51	9.52	9.53	9.54	PH 9.55	9.56	9.57	9.58	9.59	9.60
28.0	68.9	69.4	70.4	70.9	71.3	71.8	72.3	72.7	73.2	73.6
28.2	69.2	69.7	70.7	71.2	71.6	72.1	72.6	73.0	73.5	73.9
28.4	69.5	70.0	71.0	71.5	71.9	72.4	72.9	73.3	73.8	74.2
28.6	69.8	70.3	71.3	71.8	72.2	72.7	73.2	73.6	74.1	74.5
28.8	70.1	70.6	71.6	72.1	72.5	73.0	73.5	73.9	74.4	74.8
29.0	70.4	70.9	71.9	72.4	72.8	73.3	73.8	74.2	74.7	75.1
29.2	70.7	71.2	72.2	72.7	73.1	73.6	74.1	74.5	75.0	75.4
29.4	71.0	71.5	72.5	73.0	73.4	73.9	74.4	74.8	75.3	75.7
29.6	71.3	71.8	72.8	73.3	73.7	74.2	74.7	75.1	75.6	76.0
29.8	71.6	72.1	73.1	73.6	74.0	74.5	75.0	75.4	75.9	76.3
30.0	71.9	72.4	73.4	73.9	74.3	74.8	75.3	75.7	76.2	76.6
30.2	72.2	72.7	73.7	74.2	74.6	75.1	75.6	76.0	76.5	76.9
30.4	72.5	73.0	74.0	74.5	74.9	75.4	75.9	76.3	76.8	77.2
30.6	72.8	73.3	74.3	74.8	75.2	75.7	76.2	76.6	77.1	77.5
30.8	73.1	73.6	74.6	75.1	75.5	76.0	76.5	76.9	77.4	77.8
31.0	73.4	73.9	74.9	75.4	75.8	76.3	76.8	77.2	77.7	78.1
31.2	73.7	74.2	75.2	75.7	76.1	76.6	77.1	77.5	78.0	78.4
31.4	74.0	74.5	75.5	76.0	76.4	76.9	77.4	77.8	78.3	78.7
31.6	74.3	74.8	75.8	76.3	76.7	77.2	77.7	78.1	78.6	79.0
31.8	74.6	75.1	76.1	76.6	77.0	77.5	78.0	78.4	78.9	79.3
32.0	74.9	75.4	76.4	76.9	77.3	77.8	78.3	78.7	79.2	79.6
32.2	75.2	75.7	76.7	77.2	77.6	78.1	78.6	79.0	79.5	79.9
32.4	75.5	76.0	77.0	77.5	77.9	78.4	78.9	79.3	79.8	80.2
32.6	75.8	76.3	77.3	77.8	78.2	78.7	79.2	79.6	80.1	80.5
32.8	76.1	76.6	77.6	78.1	78.5	79.0	79.5	79.9	80.4	80.8
33.0	76.4	76.9	77.9	78.4	78.8	79.3	79.8	80.2	80.7	81.1
33.2	76.7	77.2	78.2	78.7	79.1	79.6	80.1	80.5	81.0	81.4
33.4	77.0	77.5	78.5	79.0	79.4	79.9	80.4	80.8	81.3	81.7
33.6	77.3	77.8	78.8	79.3	79.7	80.2	80.7	81.1	81.6	82.0
33.8	77.6	78.1	79.1	79.6	80.0	80.5	81.0	81.4	81.9	82.3
34.0	77.9	78.4	79.4	79.9	80.3	80.8	81.3	81.7	82.2	82.6
34.2	78.2	78.7	79.7	80.2	80.6	81.1	81.6	82.0	82.5	82.9
34.4	78.5	79.0	80.0	80.5	80.9	81.4	81.9	82.3	82.8	83.2
34.6	78.8	79.3	80.3	80.8	81.2	81.7	82.2	82.6	83.1	83.5
34.8	79.1	79.6	80.6	81.1	81.5	82.0	82.5	82.9	83.4	83.8
35.0	79.4	79.9	80.9	81.4	81.8	82.3	82.8	83.2	83.7	84.1

TABLE A-1 CONTINUED

TABLE A-1 CONTINUED

TEMP DEG C	9.50	9.51	9.52	9.53	9.54	PH 9.55	9.56	9.57	9.58	9.59	9.60
35.0	78.1	78.5	78.9	79.2	79.6	80.0	80.4	80.9	81.3	81.6	82.0
35.2	78.3	78.7	79.1	79.5	79.9	80.3	80.7	81.1	81.5	81.8	82.2
35.4	78.5	78.9	79.3	79.7	80.1	80.5	80.9	81.3	81.7	82.0	82.4
35.6	78.8	79.1	79.5	79.9	80.3	80.7	81.1	81.5	81.9	82.2	82.6
35.8	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.8	82.1	82.4	82.8
36.0	79.2	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.3	82.6	83.0
36.2	79.4	79.8	80.2	80.6	81.0	81.4	81.8	82.2	82.5	82.8	83.2
36.4	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.7	83.0	83.4
36.6	79.8	80.2	80.6	81.0	81.4	81.8	82.2	82.6	82.9	83.2	83.6
36.8	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.8	83.1	83.4	83.8
37.0	80.3	80.6	81.0	81.4	81.8	82.2	82.6	83.0	83.3	83.6	84.0
37.2	80.5	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.5	83.8	84.2
37.4	80.7	81.0	81.4	81.8	82.2	82.6	83.0	83.4	83.7	84.0	84.4
37.6	80.9	81.2	81.6	82.0	82.4	82.8	83.2	83.6	83.9	84.2	84.6
37.8	81.1	81.4	81.8	82.2	82.6	83.0	83.4	83.8	84.1	84.4	84.8
38.0	81.3	81.6	82.0	82.4	82.8	83.2	83.6	84.0	84.3	84.6	85.0
38.2	81.5	81.8	82.2	82.6	83.0	83.4	83.8	84.2	84.5	84.8	85.2
38.4	81.7	82.0	82.4	82.8	83.2	83.6	84.0	84.4	84.7	85.0	85.4
38.6	81.9	82.2	82.6	83.0	83.4	83.8	84.2	84.6	84.9	85.2	85.6
38.8	82.1	82.4	82.8	83.2	83.6	84.0	84.4	84.8	85.1	85.4	85.8
39.0	82.3	82.6	83.0	83.4	83.8	84.2	84.6	85.0	85.3	85.6	86.0
39.2	82.5	82.8	83.2	83.6	84.0	84.4	84.8	85.2	85.5	85.8	86.2
39.4	82.7	83.0	83.4	83.8	84.2	84.6	85.0	85.4	85.7	86.0	86.4
39.6	82.9	83.2	83.6	84.0	84.4	84.8	85.2	85.6	85.9	86.2	86.6
39.8	83.1	83.4	83.8	84.2	84.6	85.0	85.4	85.8	86.1	86.4	86.8
40.0	83.3	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.3	86.6	87.0

TABLE A-1 CONTINUED

TABLE PAGE 277

TEMP DEG C	9.60	9.61	9.62	9.63	9.64	PH 9.65	9.66	9.67	9.68	9.69	9.70
0	24.8	25.2	25.6	26.0	26.5	27.0	27.4	27.8	28.4	28.9	29.6
1	25.1	25.5	25.9	26.3	26.8	27.3	27.7	28.1	28.7	29.2	29.9
2	25.4	25.8	26.2	26.6	27.1	27.6	28.0	28.4	29.0	29.5	30.2
3	25.7	26.1	26.5	26.9	27.4	27.9	28.3	28.7	29.3	29.8	30.5
4	26.0	26.4	26.8	27.2	27.7	28.2	28.6	29.0	29.6	30.1	30.8
5	26.3	26.7	27.1	27.5	28.0	28.5	28.9	29.3	29.9	30.4	31.1
6	26.6	27.0	27.4	27.8	28.3	28.8	29.2	29.6	30.2	30.7	31.4
7	26.9	27.3	27.7	28.1	28.6	29.1	29.5	29.9	30.5	31.0	31.7
8	27.2	27.6	28.0	28.4	28.9	29.4	29.8	30.2	30.8	31.3	32.0
9	27.5	27.9	28.3	28.7	29.2	29.7	30.1	30.5	31.1	31.6	32.3
10	27.8	28.2	28.6	29.0	29.5	30.0	30.4	30.8	31.4	31.9	32.6
11	28.1	28.5	28.9	29.3	29.8	30.3	30.7	31.1	31.7	32.2	32.9
12	28.4	28.8	29.2	29.6	30.1	30.6	31.0	31.4	32.0	32.5	33.2
13	28.7	29.1	29.5	29.9	30.4	30.9	31.3	31.7	32.3	32.8	33.5
14	29.0	29.4	29.8	30.2	30.7	31.2	31.6	32.0	32.6	33.1	33.8
15	29.3	29.7	30.1	30.5	31.0	31.5	31.9	32.3	32.9	33.4	34.1
16	29.6	30.0	30.4	30.8	31.3	31.8	32.2	32.6	33.2	33.7	34.4
17	29.9	30.3	30.7	31.1	31.6	32.1	32.5	32.9	33.5	34.0	34.7
18	30.2	30.6	31.0	31.4	31.9	32.4	32.8	33.2	33.8	34.3	35.0
19	30.5	30.9	31.3	31.7	32.2	32.7	33.1	33.5	34.1	34.6	35.3
20	30.8	31.2	31.6	32.0	32.5	33.0	33.4	33.8	34.4	34.9	35.6
21	31.1	31.5	31.9	32.3	32.8	33.3	33.7	34.1	34.7	35.2	35.9
22	31.4	31.8	32.2	32.6	33.1	33.6	34.0	34.4	35.0	35.5	36.2
23	31.7	32.1	32.5	32.9	33.4	33.9	34.3	34.7	35.3	35.8	36.5
24	32.0	32.4	32.8	33.2	33.7	34.2	34.6	35.0	35.6	36.1	36.8
25	32.3	32.7	33.1	33.5	34.0	34.5	34.9	35.3	35.9	36.4	37.1
26	32.6	33.0	33.4	33.8	34.3	34.8	35.2	35.6	36.2	36.7	37.4
27	32.9	33.3	33.7	34.1	34.6	35.1	35.5	35.9	36.5	37.0	37.7
28	33.2	33.6	34.0	34.4	34.9	35.4	35.8	36.2	36.8	37.3	38.0
29	33.5	33.9	34.3	34.7	35.2	35.7	36.1	36.5	37.1	37.6	38.3
30	33.8	34.2	34.6	35.0	35.5	36.0	36.4	36.8	37.4	37.9	38.6
31	34.1	34.5	34.9	35.3	35.8	36.3	36.7	37.1	37.7	38.2	38.9
32	34.4	34.8	35.2	35.6	36.1	36.6	37.0	37.4	38.0	38.5	39.2
33	34.7	35.1	35.5	35.9	36.4	36.9	37.3	37.7	38.3	38.8	39.5
34	35.0	35.4	35.8	36.2	36.7	37.2	37.6	38.0	38.6	39.1	39.8
35	35.3	35.7	36.1	36.5	37.0	37.5	37.9	38.3	38.9	39.4	40.1
36	35.6	36.0	36.4	36.8	37.3	37.8	38.2	38.6	39.2	39.7	40.4
37	35.9	36.3	36.7	37.1	37.6	38.1	38.5	38.9	39.5	40.0	40.7
38	36.2	36.6	37.0	37.4	37.9	38.4	38.8	39.2	39.8	40.3	41.0
39	36.5	36.9	37.3	37.7	38.2	38.7	39.1	39.5	40.1	40.6	41.3
40	36.8	37.2	37.6	38.0	38.5	39.0	39.4	39.8	40.4	40.9	41.6
41	37.1	37.5	37.9	38.3	38.8	39.3	39.7	40.1	40.7	41.2	41.9
42	37.4	37.8	38.2	38.6	39.1	39.6	40.0	40.4	41.0	41.5	42.2
43	37.7	38.1	38.5	38.9	39.4	39.9	40.3	40.7	41.3	41.8	42.5
44	38.0	38.4	38.8	39.2	39.7	40.2	40.6	41.0	41.6	42.1	42.8
45	38.3	38.7	39.1	39.5	40.0	40.5	40.9	41.3	41.9	42.4	43.1
46	38.6	39.0	39.4	39.8	40.3	40.8	41.2	41.6	42.2	42.7	43.4
47	38.9	39.3	39.7	40.1	40.6	41.1	41.5	41.9	42.5	43.0	43.7
48	39.2	39.6	40.0	40.4	40.9	41.4	41.8	42.2	42.8	43.3	44.0
49	39.5	39.9	40.3	40.7	41.2	41.7	42.1	42.5	43.1	43.6	44.3
50	39.8	40.2	40.6	41.0	41.5	42.0	42.4	42.8	43.4	43.9	44.6
51	40.1	40.5	40.9	41.3	41.8	42.3	42.7	43.1	43.7	44.2	44.9
52	40.4	40.8	41.2	41.6	42.1	42.6	43.0	43.4	44.0	44.5	45.2
53	40.7	41.1	41.5	41.9	42.4	42.9	43.3	43.7	44.3	44.8	45.5
54	41.0	41.4	41.8	42.2	42.7	43.2	43.6	44.0	44.6	45.1	45.8
55	41.3	41.7	42.1	42.5	43.0	43.5	43.9	44.3	44.9	45.4	46.1
56	41.6	42.0	42.4	42.8	43.3	43.8	44.2	44.6	45.2	45.7	46.4
57	41.9	42.3	42.7	43.1	43.6	44.1	44.5	44.9	45.5	46.0	46.7
58	42.2	42.6	43.0	43.4	43.9	44.4	44.8	45.2	45.8	46.3	47.0
59	42.5	42.9	43.3	43.7	44.2	44.7	45.1	45.5	46.1	46.6	47.3
60	42.8	43.2	43.6	44.0	44.5	45.0	45.4	45.8	46.4	46.9	47.6

TABLE A-1 CONTINUED

TEMP DEG C	9.60	9.61	9.62	9.63	9.64	PH 9.65	9.66	9.67	9.68	9.69	9.70
7.0	36.3	37.4	38.0	38.5	39.1	39.0	40.6	40.7	41.3	41.8	42.8
7.2	37.3	38.2	38.7	39.2	39.8	40.0	40.9	41.1	41.7	42.2	43.2
7.4	37.6	38.6	39.1	39.6	40.2	40.4	41.3	41.5	42.1	42.6	43.6
7.6	38.0	38.9	39.5	40.0	40.6	41.2	42.1	42.3	42.9	43.4	44.4
7.8	38.4	39.3	39.9	40.4	41.0	41.5	42.5	42.7	43.3	43.8	44.8
8.0	38.8	39.7	40.3	40.8	41.4	9.0	42.9	43.1	43.7	44.2	45.2
8.2	39.2	40.1	40.7	41.2	41.8	9.3	43.3	43.5	44.1	44.6	45.6
8.4	39.5	40.5	41.1	41.6	42.2	9.6	43.7	43.9	44.5	45.0	46.0
8.6	39.9	40.8	41.4	41.9	42.5	9.9	44.1	44.3	44.9	45.4	46.4
8.8	40.3	41.2	41.8	42.3	42.9	10.2	44.5	44.7	45.3	45.8	46.8
9.0	40.7	41.6	42.2	42.7	43.3	10.5	44.9	45.1	45.7	46.2	47.2
9.2	41.1	42.0	42.6	43.1	43.7	10.8	45.3	45.5	46.1	46.6	47.6
9.4	41.5	42.4	43.0	43.5	44.1	11.1	45.7	45.9	46.5	47.0	48.0
9.6	41.9	42.8	43.4	43.9	44.5	11.4	46.1	46.3	46.9	47.4	48.4
9.8	42.3	43.2	43.8	44.3	44.9	11.7	46.5	46.7	47.3	47.8	48.8
10.0	42.7	43.6	44.2	44.7	45.3	12.0	46.9	47.1	47.7	48.2	49.2
10.2	43.1	44.0	44.6	45.1	45.7	12.3	47.3	47.5	48.1	48.6	49.6
10.4	43.5	44.4	45.0	45.5	46.1	12.6	47.7	47.9	48.5	49.0	50.0
10.6	43.9	44.8	45.4	45.9	46.5	12.9	48.1	48.3	48.9	49.4	50.4
10.8	44.3	45.2	45.8	46.3	46.9	13.2	48.5	48.7	49.3	49.8	50.8
11.0	44.7	45.6	46.2	46.7	47.3	13.5	48.9	49.1	49.7	50.2	51.2
11.2	45.1	46.0	46.6	47.1	47.7	13.8	49.3	49.5	50.1	50.6	51.6
11.4	45.5	46.4	47.0	47.5	48.1	14.1	49.7	49.9	50.5	51.0	52.0
11.6	45.9	46.8	47.4	47.9	48.5	14.4	50.1	50.3	50.9	51.4	52.4
11.8	46.3	47.2	47.8	48.3	48.9	14.7	50.5	50.7	51.3	51.8	52.8
12.0	46.7	47.6	48.2	48.7	49.3	15.0	50.9	51.1	51.7	52.2	53.2
12.2	47.1	48.0	48.6	49.1	49.7	15.3	51.3	51.5	52.1	52.6	53.6
12.4	47.5	48.4	49.0	49.5	50.1	15.6	51.7	51.9	52.5	53.0	54.0
12.6	47.9	48.8	49.4	49.9	50.5	15.9	52.1	52.3	52.9	53.4	54.4
12.8	48.3	49.2	49.8	50.3	50.9	16.2	52.5	52.7	53.3	53.8	54.8
13.0	48.7	49.6	50.2	50.7	51.3	16.5	52.9	53.1	53.7	54.2	55.2
13.2	49.1	50.0	50.6	51.1	51.7	16.8	53.3	53.5	54.1	54.6	55.6
13.4	49.5	50.4	51.0	51.5	52.1	17.1	53.7	53.9	54.5	55.0	56.0
13.6	49.9	50.8	51.4	51.9	52.5	17.4	54.1	54.3	54.9	55.4	56.4
13.8	50.3	51.2	51.8	52.3	52.9	17.7	54.5	54.7	55.3	55.8	56.8
14.0	50.7	51.6	52.2	52.7	53.3	18.0	54.9	55.1	55.7	56.2	57.2

TABLE A-1 CONTINUED

TEMP DEC C	9.60	9.61	9.62	9.63	9.64	PH 9.65	9.66	9.67	9.68	9.69	9.70
14.0	50.3	50.8	51.4	52.0	52.6	53.1	53.7	54.3	54.8	55.4	56.0
14.2	50.6	51.1	51.7	52.3	52.9	53.5	54.1	54.7	55.3	55.9	56.5
14.4	51.0	51.5	52.1	52.7	53.3	53.9	54.5	55.1	55.7	56.3	56.9
14.6	51.4	51.9	52.5	53.1	53.7	54.3	54.9	55.5	56.1	56.7	57.3
14.8	51.8	52.3	52.9	53.5	54.1	54.7	55.3	55.9	56.5	57.1	57.7
15.0	52.2	52.7	53.3	53.9	54.5	55.1	55.7	56.3	56.9	57.5	58.1
15.2	52.6	53.1	53.7	54.3	54.9	55.5	56.1	56.7	57.3	57.9	58.5
15.4	53.0	53.5	54.1	54.7	55.3	55.9	56.5	57.1	57.7	58.3	58.9
15.6	53.4	53.9	54.5	55.1	55.7	56.3	56.9	57.5	58.1	58.7	59.3
15.8	53.8	54.3	54.9	55.5	56.1	56.7	57.3	57.9	58.5	59.1	59.7
16.0	54.2	54.7	55.3	55.9	56.5	57.1	57.7	58.3	58.9	59.5	60.1
16.2	54.6	55.1	55.7	56.3	56.9	57.5	58.1	58.7	59.3	59.9	60.5
16.4	55.0	55.5	56.1	56.7	57.3	57.9	58.5	59.1	59.7	60.3	60.9
16.6	55.4	55.9	56.5	57.1	57.7	58.3	58.9	59.5	60.1	60.7	61.3
16.8	55.8	56.3	56.9	57.5	58.1	58.7	59.3	59.9	60.5	61.1	61.7
17.0	56.2	56.7	57.3	57.9	58.5	59.1	59.7	60.3	60.9	61.5	62.1
17.2	56.6	57.1	57.7	58.3	58.9	59.5	60.1	60.7	61.3	61.9	62.5
17.4	57.0	57.5	58.1	58.7	59.3	59.9	60.5	61.1	61.7	62.3	62.9
17.6	57.4	57.9	58.5	59.1	59.7	60.3	60.9	61.5	62.1	62.7	63.3
17.8	57.8	58.3	58.9	59.5	60.1	60.7	61.3	61.9	62.5	63.1	63.7
18.0	58.2	58.7	59.3	59.9	60.5	61.1	61.7	62.3	62.9	63.5	64.1
18.2	58.6	59.1	59.7	60.3	60.9	61.5	62.1	62.7	63.3	63.9	64.5
18.4	59.0	59.5	60.1	60.7	61.3	61.9	62.5	63.1	63.7	64.3	64.9
18.6	59.4	59.9	60.5	61.1	61.7	62.3	62.9	63.5	64.1	64.7	65.3
18.8	59.8	60.3	60.9	61.5	62.1	62.7	63.3	63.9	64.5	65.1	65.7
19.0	60.2	60.7	61.3	61.9	62.5	63.1	63.7	64.3	64.9	65.5	66.1
19.2	60.6	61.1	61.7	62.3	62.9	63.5	64.1	64.7	65.3	65.9	66.5
19.4	61.0	61.5	62.1	62.7	63.3	63.9	64.5	65.1	65.7	66.3	66.9
19.6	61.4	61.9	62.5	63.1	63.7	64.3	64.9	65.5	66.1	66.7	67.3
19.8	61.8	62.3	62.9	63.5	64.1	64.7	65.3	65.9	66.5	67.1	67.7
20.0	62.2	62.7	63.3	63.9	64.5	65.1	65.7	66.3	66.9	67.5	68.1
20.2	62.6	63.1	63.7	64.3	64.9	65.5	66.1	66.7	67.3	67.9	68.5
20.4	63.0	63.5	64.1	64.7	65.3	65.9	66.5	67.1	67.7	68.3	68.9
20.6	63.4	63.9	64.5	65.1	65.7	66.3	66.9	67.5	68.1	68.7	69.3
20.8	63.8	64.3	64.9	65.5	66.1	66.7	67.3	67.9	68.5	69.1	69.7
21.0	64.2	64.7	65.3	65.9	66.5	67.1	67.7	68.3	68.9	69.5	70.1

TABLE A-1 CONTINUED

TEMP DEG C	9.60	9.61	9.62	9.63	9.64	PH 9.65	9.66	9.67	9.68	9.69	9.70
21.0	63.0	63.5	64.0	64.6	65.1	65.6	66.1	66.6	67.2	67.7	68.2
21.2	63.3	63.8	64.4	64.9	65.4	65.9	66.5	67.0	67.5	68.0	68.5
21.4	63.6	64.2	64.7	65.2	65.7	66.3	66.8	67.3	67.8	68.3	68.8
21.6	64.0	64.5	65.0	65.5	66.0	66.6	67.1	67.6	68.1	68.6	69.1
21.8	64.3	64.8	65.4	65.9	66.4	67.0	67.5	68.0	68.5	69.0	69.5
22.0	64.6	65.2	65.7	66.2	66.7	67.2	67.7	68.2	68.7	69.2	69.7
22.2	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0
22.4	65.3	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3
22.6	65.6	66.1	66.6	67.1	67.6	68.1	68.6	69.1	69.6	70.1	70.6
22.8	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0
23.0	66.3	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3	70.8	71.3
23.2	66.6	67.1	67.6	68.1	68.6	69.1	69.6	70.1	70.6	71.1	71.6
23.4	66.9	67.4	67.9	68.4	68.9	69.4	69.9	70.4	70.9	71.4	71.9
23.6	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7	71.2	71.7	72.2
23.8	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5
24.0	67.8	68.3	68.8	69.3	69.8	70.3	70.8	71.3	71.8	72.3	72.8
24.2	68.1	68.6	69.1	69.6	70.1	70.6	71.1	71.6	72.1	72.6	73.1
24.4	68.4	68.9	69.4	69.9	70.4	70.9	71.4	71.9	72.4	72.9	73.4
24.6	68.7	69.2	69.7	70.2	70.7	71.2	71.7	72.2	72.7	73.2	73.7
24.8	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0
25.0	69.4	69.9	70.3	70.8	71.3	71.8	72.3	72.8	73.3	73.8	74.3
25.2	69.7	70.2	70.6	71.1	71.6	72.1	72.6	73.1	73.6	74.1	74.6
25.4	70.0	70.5	70.9	71.4	71.9	72.4	72.9	73.4	73.9	74.4	74.9
25.6	70.3	70.8	71.2	71.7	72.2	72.7	73.2	73.7	74.2	74.7	75.2
26.0	71.1	71.6	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
26.2	71.4	71.9	72.3	72.8	73.3	73.8	74.3	74.8	75.3	75.8	76.3
26.4	71.7	72.2	72.6	73.1	73.6	74.1	74.6	75.1	75.6	76.1	76.6
26.6	72.0	72.5	72.9	73.4	73.9	74.4	74.9	75.4	75.9	76.4	76.9
26.8	72.3	72.8	73.2	73.7	74.2	74.7	75.2	75.7	76.2	76.7	77.2
27.0	72.6	73.1	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5
27.2	72.9	73.4	73.8	74.3	74.8	75.3	75.8	76.3	76.8	77.3	77.8
27.4	73.2	73.7	74.1	74.6	75.1	75.6	76.1	76.6	77.1	77.6	78.1
27.6	73.5	74.0	74.4	74.9	75.4	75.9	76.4	76.9	77.4	77.9	78.4
27.8	73.8	74.3	74.7	75.2	75.7	76.2	76.7	77.2	77.7	78.2	78.7
28.0	74.1	74.6	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	79.0

TABLE A-1 CONTINUED

TABLE PAGE 281

TEMP DEG C	9.60	9.61	9.62	9.63	9.64	PH 9.65	9.66	9.67	9.68	9.69	9.70
28.0	73.6	74.1	74.5	75.0	75.4	75.8	76.2	76.6	77.1	77.5	77.9
28.2	73.9	74.3	74.8	75.2	75.6	76.0	76.5	76.9	77.3	77.7	78.1
28.4	74.2	74.6	75.0	75.5	75.9	76.3	76.8	77.2	77.6	78.0	78.4
28.6	74.4	74.9	75.3	75.7	76.1	76.6	77.0	77.4	77.8	78.2	78.6
28.8	74.7	75.1	75.6	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8
29.0	75.0	75.4	75.8	76.2	76.6	77.1	77.5	77.9	78.3	78.7	79.1
29.2	75.2	75.6	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3
29.4	75.5	75.9	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5
29.6	75.7	76.1	76.6	77.0	77.4	77.8	78.2	78.6	79.0	79.4	79.8
29.8	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6	80.0
30.0	76.2	76.6	77.0	77.5	77.9	78.2	78.6	79.0	79.4	79.8	80.1
30.2	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.7	80.0	80.4
30.4	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.9	80.2	80.6
30.6	77.0	77.4	77.8	78.2	78.5	78.9	79.3	79.7	80.1	80.4	80.8
30.8	77.2	77.6	78.0	78.4	78.8	79.2	79.5	79.9	80.3	80.6	81.0
31.0	77.4	77.8	78.2	78.6	79.0	79.4	79.8	80.1	80.5	80.8	81.2
31.2	77.7	78.1	78.5	78.9	79.3	79.6	80.0	80.3	80.7	81.1	81.4
31.4	77.9	78.3	78.7	79.1	79.5	79.8	80.2	80.6	80.9	81.3	81.6
31.6	78.1	78.5	78.9	79.3	79.7	80.0	80.4	80.8	81.1	81.5	81.8
31.8	78.4	78.8	79.1	79.5	79.9	80.3	80.6	81.0	81.3	81.7	82.0
32.0	78.6	79.0	79.4	79.7	80.1	80.5	80.8	81.2	81.5	81.9	82.2
32.2	78.8	79.2	79.6	80.0	80.3	80.7	81.1	81.4	81.8	82.1	82.4
32.4	79.0	79.4	79.8	80.2	80.5	80.9	81.2	81.6	81.9	82.3	82.6
32.6	79.3	79.7	80.0	80.4	80.7	81.1	81.5	81.8	82.2	82.5	82.8
32.8	79.5	79.9	80.2	80.6	80.9	81.3	81.6	82.0	82.3	82.7	83.0
33.0	79.7	80.1	80.4	80.8	81.1	81.5	81.8	82.2	82.5	82.9	83.2
33.2	79.9	80.3	80.6	81.0	81.3	81.7	82.0	82.4	82.7	83.1	83.4
33.4	80.1	80.5	80.8	81.2	81.5	81.9	82.2	82.6	82.9	83.3	83.6
33.6	80.3	80.7	81.0	81.4	81.7	82.1	82.4	82.8	83.1	83.5	83.8
33.8	80.6	80.9	81.3	81.6	82.0	82.3	82.7	83.0	83.4	83.7	84.1
34.0	80.8	81.1	81.5	81.8	82.2	82.5	82.9	83.3	83.6	84.0	84.3
34.2	81.0	81.3	81.7	82.0	82.4	82.7	83.1	83.5	83.8	84.2	84.5
34.4	81.2	81.5	81.9	82.2	82.6	82.9	83.3	83.7	84.0	84.4	84.7
34.6	81.4	81.7	82.1	82.4	82.8	83.1	83.5	83.9	84.2	84.6	84.9
34.8	81.6	81.9	82.3	82.6	83.0	83.3	83.7	84.1	84.4	84.8	85.1
35.0	81.8	82.1	82.5	82.8	83.2	83.5	83.9	84.3	84.6	85.0	85.3

TABLE A-1 CONTINUED

TABLE PAGE 282

TEMP DEG C	9.60	9.61	9.62	9.63	9.64	PH 9.65	9.66	9.67	9.68	9.69	9.70
35.0	81.0	82.1	82.5	82.8	83.1	83.4	83.7	84.1	84.4	84.7	85.0
35.2	82.0	82.5	82.8	83.0	83.3	83.6	83.9	84.2	84.5	84.8	85.1
35.4	82.4	82.7	83.0	83.2	83.5	83.8	84.1	84.4	84.7	85.0	85.3
35.6	82.5	82.9	83.2	83.5	83.8	84.1	84.4	84.7	85.0	85.3	85.6
36.0	82.7	83.1	83.3	83.5	83.8	84.1	84.4	84.7	85.0	85.3	85.6
36.2	82.9	83.4	83.6	83.9	84.2	84.5	84.8	85.1	85.4	85.7	86.0
36.4	83.1	83.6	83.8	84.1	84.4	84.7	85.0	85.3	85.6	85.9	86.2
36.6	83.3	83.8	84.0	84.3	84.6	84.9	85.2	85.5	85.8	86.1	86.4
36.8	83.5	84.0	84.2	84.5	84.8	85.1	85.4	85.7	86.0	86.3	86.6
37.0	83.7	84.2	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.5	86.8
37.2	83.9	84.4	84.6	84.9	85.2	85.5	85.8	86.1	86.4	86.7	87.0
37.4	84.1	84.6	84.8	85.1	85.4	85.7	86.0	86.3	86.6	86.9	87.2
37.6	84.3	84.8	85.0	85.3	85.6	85.9	86.2	86.5	86.8	87.1	87.4
37.8	84.5	85.0	85.2	85.5	85.8	86.1	86.4	86.7	87.0	87.3	87.6
38.0	84.7	85.2	85.4	85.7	86.0	86.3	86.6	86.9	87.2	87.5	87.8
38.2	84.9	85.4	85.6	85.9	86.2	86.5	86.8	87.1	87.4	87.7	88.0
38.4	85.1	85.6	85.8	86.1	86.4	86.7	87.0	87.3	87.6	87.9	88.2
38.6	85.3	85.8	86.0	86.3	86.6	86.9	87.2	87.5	87.8	88.1	88.4
38.8	85.5	86.0	86.2	86.5	86.8	87.1	87.4	87.7	88.0	88.3	88.6
39.0	85.7	86.2	86.4	86.7	87.0	87.3	87.6	87.9	88.2	88.5	88.8
39.2	85.9	86.4	86.6	86.9	87.2	87.5	87.8	88.1	88.4	88.7	89.0
39.4	86.1	86.6	86.8	87.1	87.4	87.7	88.0	88.3	88.6	88.9	89.2

TABLE A-1 CONTINUED

TEMP DEG C	9.70	9.71	9.72	9.73	9.74	PH 9.75	9.76	9.77	9.78	9.79	9.80
0	29.6	29.8	30.6	30.8	31.0	7.1	32.0	32.7	33.0	33.1	34.7
2	29.0	30.1	31.0	31.5	32.0	7.5	32.0	33.5	34.0	34.5	35.0
4	30.4	30.8	31.7	32.1	32.7	7.8	33.4	34.9	35.4	35.9	36.4
6	30.7	31.2	32.1	32.6	33.1	8.2	33.7	35.2	35.7	36.2	36.7
8	31.1	31.6	32.5	33.0	33.5	8.6	34.1	35.6	36.1	36.6	37.1
10	31.4	31.9	32.8	33.3	33.8	9.0	34.5	36.0	36.5	37.0	37.5
12	31.8	32.3	33.2	33.7	34.2	9.4	35.0	36.5	37.0	37.5	38.0
14	32.2	32.7	33.6	34.1	34.6	9.8	35.5	37.0	37.5	38.0	38.5
16	32.5	33.0	33.9	34.4	34.9	10.2	36.0	37.5	38.0	38.5	39.0
18	32.9	33.4	34.3	34.8	35.3	10.6	36.5	38.0	38.5	39.0	39.5
20	33.3	33.8	34.7	35.2	35.7	11.0	37.0	38.5	39.0	39.5	40.0
22	33.7	34.2	35.1	35.6	36.1	11.4	37.5	39.0	39.5	40.0	40.5
24	34.1	34.6	35.5	36.0	36.5	11.8	38.0	39.5	40.0	40.5	41.0
26	34.5	35.0	35.9	36.4	36.9	12.2	38.5	40.0	40.5	41.0	41.5
28	34.9	35.4	36.3	36.8	37.3	12.6	39.0	40.5	41.0	41.5	42.0
30	35.3	35.8	36.7	37.2	37.7	13.0	39.5	41.0	41.5	42.0	42.5
32	35.7	36.2	37.1	37.6	38.1	13.4	40.0	41.5	42.0	42.5	43.0
34	36.1	36.6	37.5	38.0	38.5	13.8	40.5	42.0	42.5	43.0	43.5
36	36.5	37.0	37.9	38.4	38.9	14.2	41.0	42.5	43.0	43.5	44.0
38	36.9	37.4	38.3	38.8	39.3	14.6	41.5	43.0	43.5	44.0	44.5
40	37.3	37.8	38.7	39.2	39.7	15.0	42.0	43.5	44.0	44.5	45.0
42	37.7	38.2	39.1	39.6	40.1	15.4	42.5	44.0	44.5	45.0	45.5
44	38.1	38.6	39.5	40.0	40.5	15.8	43.0	44.5	45.0	45.5	46.0
46	38.5	39.0	39.9	40.4	40.9	16.2	43.5	45.0	45.5	46.0	46.5
48	38.9	39.4	40.3	40.8	41.3	16.6	44.0	45.5	46.0	46.5	47.0
50	39.3	39.8	40.7	41.2	41.7	17.0	44.5	46.0	46.5	47.0	47.5
52	39.7	40.2	41.1	41.6	42.1	17.4	45.0	46.5	47.0	47.5	48.0
54	40.1	40.6	41.5	42.0	42.5	17.8	45.5	47.0	47.5	48.0	48.5
56	40.5	41.0	41.9	42.4	42.9	18.2	46.0	47.5	48.0	48.5	49.0
58	40.9	41.4	42.3	42.8	43.3	18.6	46.5	48.0	48.5	49.0	49.5
60	41.3	41.8	42.7	43.2	43.7	19.0	47.0	48.5	49.0	49.5	50.0
62	41.7	42.2	43.1	43.6	44.1	19.4	47.5	49.0	49.5	50.0	50.5
64	42.1	42.6	43.5	44.0	44.5	19.8	48.0	49.5	50.0	50.5	51.0
66	42.5	43.0	43.9	44.4	44.9	20.2	48.5	50.0	50.5	51.0	51.5
68	42.9	43.4	44.3	44.8	45.3	20.6	49.0	50.5	51.0	51.5	52.0
70	43.3	43.8	44.7	45.2	45.7	21.0	49.5	51.0	51.5	52.0	52.5

TABLE A-1 CONTINUED

TEMP DEG C	9.70	9.71	9.72	9.73	9.74	PH 9.75	9.76	9.77	9.78	9.79	9.80
7.0	42.4	43.0	43.5	44.1	44.7	45.2	45.8	46.4	47.0	47.5	48.1
7.2	42.8	43.4	43.9	44.5	45.1	45.6	46.2	46.8	47.4	47.9	48.5
7.4	43.2	43.8	44.3	44.9	45.5	46.0	46.6	47.2	47.8	48.3	48.9
7.6	43.6	44.2	44.7	45.3	45.9	46.4	47.0	47.6	48.2	48.7	49.3
7.8	44.0	44.6	45.1	45.7	46.3	46.8	47.4	48.0	48.6	49.1	49.7
8.0	44.4	45.0	45.5	46.1	46.7	47.2	47.8	48.4	49.0	49.5	50.1
8.2	44.8	45.4	45.9	46.5	47.1	47.6	48.2	48.8	49.4	49.9	50.5
8.4	45.1	45.7	46.2	46.8	47.4	47.9	48.5	49.1	49.7	50.2	50.8
8.6	45.5	46.1	46.6	47.2	47.8	48.3	48.9	49.5	50.1	50.6	51.2
8.8	45.9	46.5	47.0	47.6	48.2	48.7	49.3	49.9	50.5	51.0	51.6
9.0	46.3	46.9	47.4	48.0	48.6	49.1	49.7	50.3	50.9	51.4	52.0
9.2	46.7	47.3	47.8	48.4	49.0	49.5	50.1	50.7	51.3	51.8	52.4
9.4	47.1	47.7	48.2	48.8	49.4	49.9	50.5	51.1	51.7	52.2	52.8
9.6	47.5	48.1	48.6	49.2	49.8	50.3	50.9	51.5	52.1	52.6	53.2
9.8	47.9	48.5	49.0	49.6	50.2	50.7	51.3	51.9	52.5	53.0	53.6
10.0	48.3	48.9	49.4	50.0	50.6	51.1	51.7	52.3	52.9	53.4	54.0
10.2	48.7	49.3	49.8	50.4	51.0	51.5	52.1	52.7	53.3	53.8	54.4
10.4	49.1	49.7	50.2	50.8	51.4	51.9	52.5	53.1	53.7	54.2	54.8
10.6	49.5	50.1	50.6	51.2	51.8	52.3	52.9	53.5	54.1	54.6	55.2
10.8	49.9	50.5	51.0	51.6	52.2	52.7	53.3	53.9	54.5	55.0	55.6
11.0	50.3	50.9	51.4	52.0	52.6	53.1	53.7	54.3	54.9	55.4	56.0
11.2	50.7	51.3	51.8	52.4	53.0	53.5	54.1	54.7	55.3	55.8	56.4
11.4	51.1	51.7	52.2	52.8	53.4	53.9	54.5	55.1	55.7	56.2	56.8
11.6	51.5	52.1	52.6	53.2	53.8	54.3	54.9	55.5	56.1	56.6	57.2
11.8	51.9	52.5	53.0	53.6	54.2	54.7	55.3	55.9	56.5	57.0	57.6
12.0	52.3	52.9	53.4	54.0	54.6	55.1	55.7	56.3	56.9	57.4	58.0
12.2	52.7	53.3	53.8	54.4	55.0	55.5	56.1	56.7	57.3	57.8	58.4
12.4	53.1	53.7	54.2	54.8	55.4	55.9	56.5	57.1	57.7	58.2	58.8
12.6	53.5	54.1	54.6	55.2	55.8	56.3	56.9	57.5	58.1	58.6	59.2
12.8	53.9	54.5	55.0	55.6	56.2	56.7	57.3	57.9	58.5	59.0	59.6
13.0	54.3	54.9	55.4	56.0	56.6	57.1	57.7	58.3	58.9	59.4	60.0
13.2	54.7	55.3	55.8	56.4	57.0	57.5	58.1	58.7	59.3	59.8	60.4
13.4	55.1	55.7	56.2	56.8	57.4	57.9	58.5	59.1	59.7	60.2	60.8
13.6	55.5	56.1	56.6	57.2	57.8	58.3	58.9	59.5	60.1	60.6	61.2
13.8	55.9	56.5	57.0	57.6	58.2	58.7	59.3	59.9	60.5	61.0	61.6
14.0	56.3	56.9	57.4	58.0	58.6	59.1	59.7	60.3	60.9	61.4	62.0

TEMP DEG C	9.70	9.71	9.72	9.73	9.74	PH 9.75	9.76	9.77	9.78	9.79	9.80
14.0	56.0	56.9	57.1	57.0	58.0	58.8	59.4	59.3	60.8	61.0	61.6
14.2	56.4	57.3	57.5	58.4	59.0	59.2	59.7	60.3	61.2	61.4	61.9
14.4	56.7	57.7	57.9	58.8	59.3	59.5	60.1	60.7	61.5	61.7	62.3
14.6	57.1	58.0	58.2	59.1	59.7	60.0	60.4	61.1	61.9	62.1	62.6
14.8	57.5	58.4	58.6	59.5	60.1	60.3	60.8	61.4	62.2	62.4	63.0
15.0	57.8	58.8	59.0	59.9	60.5	60.6	61.2	61.8	62.6	62.8	63.3
15.2	58.2	59.1	59.3	60.2	60.8	61.0	61.5	62.1	62.9	63.1	63.7
15.4	58.6	59.5	59.7	60.6	61.2	61.4	61.9	62.5	63.3	63.5	64.0
15.6	59.0	60.0	60.2	61.1	61.7	61.9	62.2	62.8	63.6	63.8	64.4
15.8	59.4	60.3	60.5	61.4	62.0	62.2	62.5	63.1	63.9	64.1	64.7
16.0	59.8	60.7	60.9	61.8	62.4	62.6	63.0	63.5	64.3	64.5	65.1
16.2	60.2	61.1	61.3	62.2	62.8	63.0	63.3	63.8	64.6	64.8	65.4
16.4	60.6	61.5	61.7	62.6	63.2	63.4	63.7	64.2	65.0	65.2	65.7
16.6	61.0	61.9	62.1	63.0	63.6	63.8	64.1	64.6	65.4	65.6	66.1
16.8	61.4	62.3	62.5	63.4	64.0	64.2	64.5	65.0	65.8	66.0	66.5
17.0	61.8	62.7	62.9	63.8	64.4	64.6	64.9	65.4	66.2	66.4	66.9
17.2	62.2	63.1	63.3	64.2	64.8	65.0	65.3	65.8	66.6	66.8	67.3
17.4	62.6	63.5	63.7	64.6	65.2	65.4	65.7	66.2	67.0	67.2	67.7
17.6	63.0	63.9	64.1	65.0	65.6	65.8	66.0	66.5	67.3	67.5	68.0
17.8	63.4	64.3	64.5	65.4	66.0	66.2	66.5	67.0	67.8	68.0	68.5
18.0	63.8	64.7	64.9	65.8	66.4	66.6	66.9	67.4	68.2	68.4	68.9
18.2	64.2	65.1	65.3	66.2	66.8	67.0	67.3	67.8	68.6	68.8	69.3
18.4	64.6	65.5	65.7	66.6	67.2	67.4	67.7	68.2	69.0	69.2	69.7
18.6	65.0	65.9	66.1	67.0	67.6	67.8	68.1	68.6	69.4	69.6	70.1
18.8	65.4	66.3	66.5	67.4	68.0	68.2	68.5	69.0	69.8	70.0	70.5
19.0	65.8	66.7	66.9	67.8	68.4	68.6	68.9	69.4	70.2	70.4	70.9
19.2	66.2	67.1	67.3	68.2	68.8	69.0	69.3	69.8	70.6	70.8	71.3
19.4	66.6	67.5	67.7	68.6	69.2	69.4	69.7	70.2	71.0	71.2	71.7
19.6	67.0	67.9	68.1	69.0	69.6	69.8	70.1	70.6	71.4	71.6	72.1
19.8	67.4	68.3	68.5	69.4	70.0	70.2	70.5	71.0	71.8	72.0	72.5
20.0	67.8	68.7	68.9	69.8	70.4	70.6	70.9	71.4	72.2	72.4	72.9
20.2	68.2	69.1	69.3	70.2	70.8	71.0	71.3	71.8	72.6	72.8	73.3
20.4	68.6	69.5	69.7	70.6	71.2	71.4	71.7	72.2	73.0	73.2	73.7
20.6	69.0	69.9	70.1	71.0	71.6	71.8	72.1	72.6	73.4	73.6	74.1
20.8	69.4	70.3	70.5	71.4	72.0	72.2	72.5	73.0	73.8	74.0	74.5
21.0	69.8	70.7	70.9	71.8	72.4	72.6	72.9	73.4	74.2	74.4	74.9

TABLE A-1 CONTINUED

TABLE PAGE 286

TEMP DEG C	9.70	9.71	9.72	9.73	9.74	PH 9.75	9.76	9.77	9.78	9.79	9.80
21.0	68.2	68.7	69.1	69.6	70.1	70.6	71.4	71.8	72.0	72.5	72.9
21.2	68.5	69.0	69.5	70.0	70.5	71.0	71.7	72.1	72.3	72.8	73.2
21.4	68.8	69.3	69.8	70.3	70.8	71.3	72.0	72.4	72.6	73.1	73.5
21.6	69.1	69.6	70.1	70.6	71.1	71.6	72.3	72.7	72.9	73.4	73.8
21.8	69.4	69.9	70.4	70.9	71.4	71.9	72.6	73.0	73.2	73.7	74.1
22.0	69.7	70.2	70.7	71.2	71.7	72.2	72.9	73.3	73.5	74.0	74.4
22.2	70.0	70.5	71.0	71.5	72.0	72.5	73.2	73.6	73.8	74.3	74.7
22.4	70.3	70.8	71.3	71.8	72.3	72.8	73.5	73.9	74.1	74.6	75.0
22.6	70.6	71.1	71.6	72.1	72.6	73.1	73.8	74.2	74.4	74.9	75.3
22.8	70.9	71.4	71.9	72.4	72.9	73.4	74.1	74.5	74.7	75.2	75.6
23.0	71.2	71.7	72.2	72.7	73.2	73.7	74.4	74.8	75.0	75.5	75.9
23.2	71.5	72.0	72.5	73.0	73.5	74.0	74.7	75.1	75.3	75.8	76.2
23.4	71.8	72.3	72.8	73.3	73.8	74.3	75.0	75.4	75.6	76.1	76.5
23.6	72.1	72.6	73.1	73.6	74.1	74.6	75.3	75.7	75.9	76.4	76.8
23.8	72.4	72.9	73.4	73.9	74.4	74.9	75.6	76.0	76.2	76.7	77.1
24.0	72.7	73.2	73.7	74.2	74.7	75.2	75.9	76.3	76.5	77.0	77.4
24.2	73.0	73.5	74.0	74.5	75.0	75.5	76.2	76.6	76.8	77.3	77.7
24.4	73.3	73.8	74.3	74.8	75.3	75.8	76.5	76.9	77.1	77.6	78.0
24.6	73.6	74.1	74.6	75.1	75.6	76.1	76.8	77.2	77.4	77.9	78.3
24.8	73.9	74.4	74.9	75.4	75.9	76.4	77.1	77.5	77.7	78.2	78.6
25.0	74.2	74.7	75.2	75.7	76.2	76.7	77.4	77.8	78.0	78.5	78.9
25.2	74.5	75.0	75.5	76.0	76.5	77.0	77.7	78.1	78.3	78.8	79.2
25.4	74.8	75.3	75.8	76.3	76.8	77.3	78.0	78.4	78.6	79.1	79.5
25.6	75.1	75.6	76.1	76.6	77.1	77.6	78.3	78.7	78.9	79.4	79.8
25.8	75.4	75.9	76.4	76.9	77.4	77.9	78.6	79.0	79.2	79.7	80.1
26.0	75.7	76.2	76.7	77.2	77.7	78.2	78.9	79.3	79.5	80.0	80.4
26.2	76.0	76.5	77.0	77.5	78.0	78.5	79.2	79.6	79.8	80.3	80.7
26.4	76.3	76.8	77.3	77.8	78.3	78.8	79.5	79.9	80.1	80.6	81.0
26.6	76.6	77.1	77.6	78.1	78.6	79.1	79.8	80.2	80.4	80.9	81.3
26.8	76.9	77.4	77.9	78.4	78.9	79.4	80.1	80.5	80.7	81.2	81.6
27.0	77.2	77.7	78.2	78.7	79.2	79.7	80.4	80.8	81.0	81.5	81.9
27.2	77.5	78.0	78.5	79.0	79.5	80.0	80.7	81.1	81.3	81.8	82.2
27.4	77.8	78.3	78.8	79.3	79.8	80.3	81.0	81.4	81.6	82.1	82.5
27.6	78.1	78.6	79.1	79.6	80.1	80.6	81.3	81.7	81.9	82.4	82.8
27.8	78.4	78.9	79.4	79.9	80.4	80.9	81.6	82.0	82.2	82.7	83.1
28.0	78.7	79.2	79.7	80.2	80.7	81.2	81.9	82.3	82.5	83.0	83.4

TEMP DEG C	9.70	9.71	9.72	9.73	9.74	PH 9.75	9.76	9.77	9.78	9.79	9.80
28.0	77.9	78.3	78.6	79.0	79.4	79.0	80.1	80.5	80.9	81.4	81.8
28.2	78.1	78.5	78.9	79.3	79.7	80.2	80.6	81.0	81.4	81.8	82.2
28.4	78.3	78.7	79.1	79.5	79.9	80.4	80.8	81.2	81.6	82.0	82.4
28.6	78.5	78.9	79.3	79.7	80.1	80.6	81.0	81.4	81.8	82.2	82.6
28.8	78.7	79.1	79.5	79.9	80.3	80.8	81.2	81.6	82.0	82.4	82.8
29.0	78.9	79.3	79.7	80.1	80.5	81.0	81.4	81.8	82.2	82.6	83.0
29.2	79.1	79.5	79.9	80.3	80.7	81.2	81.6	82.0	82.4	82.8	83.2
29.4	79.3	79.7	80.1	80.5	80.9	81.4	81.8	82.2	82.6	83.0	83.4
29.6	79.5	79.9	80.3	80.7	81.1	81.6	82.0	82.4	82.8	83.2	83.6
29.8	79.7	80.1	80.5	80.9	81.3	81.8	82.2	82.6	83.0	83.4	83.8
30.0	79.9	80.3	80.7	81.1	81.5	82.0	82.4	82.8	83.2	83.6	84.0
30.2	80.1	80.5	80.9	81.3	81.7	82.2	82.6	83.0	83.4	83.8	84.2
30.4	80.3	80.7	81.1	81.5	81.9	82.4	82.8	83.2	83.6	84.0	84.4
30.6	80.5	80.9	81.3	81.7	82.1	82.6	83.0	83.4	83.8	84.2	84.6
30.8	80.7	81.1	81.5	81.9	82.3	82.8	83.2	83.6	84.0	84.4	84.8
31.0	80.9	81.3	81.7	82.1	82.5	83.0	83.4	83.8	84.2	84.6	85.0
31.2	81.1	81.5	81.9	82.3	82.7	83.2	83.6	84.0	84.4	84.8	85.2
31.4	81.3	81.7	82.1	82.5	82.9	83.4	83.8	84.2	84.6	85.0	85.4
31.6	81.5	81.9	82.3	82.7	83.1	83.6	84.0	84.4	84.8	85.2	85.6
31.8	81.7	82.1	82.5	82.9	83.3	83.8	84.2	84.6	85.0	85.4	85.8
32.0	81.9	82.3	82.7	83.1	83.5	84.0	84.4	84.8	85.2	85.6	86.0
32.2	82.1	82.5	82.9	83.3	83.7	84.2	84.6	85.0	85.4	85.8	86.2
32.4	82.3	82.7	83.1	83.5	83.9	84.4	84.8	85.2	85.6	86.0	86.4
32.6	82.5	82.9	83.3	83.7	84.1	84.6	85.0	85.4	85.8	86.2	86.6
32.8	82.7	83.1	83.5	83.9	84.3	84.8	85.2	85.6	86.0	86.4	86.8
33.0	82.9	83.3	83.7	84.1	84.5	85.0	85.4	85.8	86.2	86.6	87.0
33.2	83.1	83.5	83.9	84.3	84.7	85.2	85.6	86.0	86.4	86.8	87.2
33.4	83.3	83.7	84.1	84.5	84.9	85.4	85.8	86.2	86.6	87.0	87.4
33.6	83.5	83.9	84.3	84.7	85.1	85.6	86.0	86.4	86.8	87.2	87.6
33.8	83.7	84.1	84.5	84.9	85.3	85.8	86.2	86.6	87.0	87.4	87.8
34.0	83.9	84.3	84.7	85.1	85.5	86.0	86.4	86.8	87.2	87.6	88.0
34.2	84.1	84.5	84.9	85.3	85.7	86.2	86.6	87.0	87.4	87.8	88.2
34.4	84.3	84.7	85.1	85.5	85.9	86.4	86.8	87.2	87.6	88.0	88.4
34.6	84.5	84.9	85.3	85.7	86.1	86.6	87.0	87.4	87.8	88.2	88.6
34.8	84.7	85.1	85.5	85.9	86.3	86.8	87.2	87.6	88.0	88.4	88.8
35.0	84.9	85.3	85.7	86.1	86.5	87.0	87.4	87.8	88.2	88.6	89.0

TABLE A-1 CONTINUED

TABLE PAGE 288

TEMP DEG C	9.70	9.71	9.72	9.73	9.74	PH 9.75	9.76	9.77	9.78	9.79	9.80
35.0	85.0	85.3	85.5	85.8	86.1	86.4	86.6	86.9	87.2	87.4	87.7
35.2	85.1	85.4	85.7	86.0	86.3	86.5	86.8	87.1	87.3	87.6	87.8
35.4	85.3	85.6	85.9	86.1	86.4	86.6	86.9	87.2	87.5	87.7	88.0
35.6	85.5	85.7	86.0	86.3	86.6	86.8	87.1	87.3	87.6	87.8	88.1
35.8	85.6	85.9	86.2	86.5	86.8	87.0	87.2	87.5	87.7	88.0	88.2
36.0	85.8	86.1	86.3	86.6	86.9	87.1	87.4	87.6	87.9	88.1	88.4
36.2	85.9	86.2	86.5	86.8	87.0	87.3	87.5	87.8	88.0	88.3	88.5
36.4	86.1	86.4	86.6	86.9	87.2	87.4	87.7	87.9	88.2	88.4	88.6
36.6	86.3	86.5	86.8	87.1	87.3	87.6	87.8	88.1	88.4	88.6	88.9
36.8	86.4	86.7	87.0	87.2	87.5	87.7	88.0	88.3	88.6	88.8	89.1
37.0	86.6	86.8	87.1	87.3	87.6	87.8	88.1	88.4	88.7	88.9	89.2
37.2	86.7	87.0	87.2	87.5	87.7	88.0	88.2	88.5	88.8	89.1	89.3
37.4	86.9	87.1	87.4	87.6	87.9	88.1	88.4	88.7	89.0	89.2	89.5
37.6	87.0	87.3	87.5	87.8	88.0	88.3	88.5	88.8	89.1	89.3	89.6
37.8	87.2	87.4	87.7	87.9	88.2	88.4	88.7	89.0	89.2	89.5	89.7
38.0	87.3	87.6	87.8	88.0	88.3	88.5	88.8	89.1	89.3	89.6	89.8
38.2	87.4	87.7	87.9	88.2	88.4	88.7	89.0	89.2	89.5	89.7	89.9
38.4	87.6	87.8	88.1	88.3	88.6	88.8	89.1	89.4	89.6	89.9	90.0
38.6	87.7	88.0	88.2	88.5	88.7	89.0	89.3	89.5	89.8	90.0	90.1
38.8	87.9	88.1	88.4	88.6	88.9	89.2	89.4	89.7	89.9	90.1	90.2
39.0	88.0	88.2	88.5	88.7	89.0	89.2	89.5	89.7	89.9	90.1	90.2
39.2	88.1	88.4	88.6	88.9	89.1	89.4	89.6	89.8	90.0	90.2	90.3
39.4	88.3	88.5	88.8	89.0	89.3	89.5	89.7	89.9	90.1	90.3	90.5
39.6	88.5	88.7	89.0	89.2	89.4	89.7	89.9	90.1	90.3	90.5	90.7
39.8	88.7	88.9	89.1	89.3	89.5	89.7	89.9	90.1	90.3	90.5	90.7
40.0	88.8	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8

TABLE A-1 CONTINUED

TABLE PAGE 289

TEMP DEG C	9.80	9.81	9.82	9.83	9.84	PH 9.85	9.86	9.87	9.88	9.89	9.90
0	34.3	34.8	35.3	35.9	36.4	36.9	37.5	38.0	38.5	39.1	39.6
1	34.7	35.2	35.7	36.2	36.7	37.2	37.8	38.4	38.9	39.5	40.0
2	35.0	35.6	36.1	36.6	37.1	37.6	38.2	38.8	39.3	39.9	40.4
3	35.4	36.0	36.5	37.0	37.5	38.0	38.6	39.2	39.7	40.3	40.9
4	35.8	36.3	36.8	37.3	37.8	38.3	38.9	39.5	40.0	40.6	41.2
5	36.2	36.7	37.2	37.7	38.2	38.7	39.3	40.0	40.5	41.1	41.7
6	36.6	37.1	37.6	38.1	38.6	39.1	39.7	40.4	41.0	41.5	42.1
7	37.0	37.5	38.0	38.5	39.0	39.5	40.1	40.8	41.4	42.0	42.5
8	37.4	37.9	38.4	38.9	39.4	39.9	40.5	41.2	41.8	42.4	43.0
9	37.8	38.3	38.8	39.3	39.8	40.3	40.9	41.6	42.2	42.8	43.4
10	38.2	38.7	39.2	40.0	40.5	41.0	41.6	42.3	42.9	43.5	44.1
11	38.6	39.1	39.6	40.4	40.9	41.4	42.0	42.7	43.3	43.9	44.5
12	39.0	39.5	40.0	40.8	41.3	41.8	42.4	43.1	43.7	44.3	44.9
13	39.4	39.9	40.4	41.2	41.7	42.2	42.8	43.5	44.1	44.7	45.3
14	39.8	40.3	40.8	41.6	42.1	42.6	43.2	43.9	44.5	45.1	45.7
15	40.2	40.7	41.2	42.0	42.5	43.0	43.6	44.3	44.9	45.5	46.1
16	40.6	41.1	41.6	42.4	42.9	43.4	44.0	44.7	45.3	45.9	46.5
17	41.0	41.5	42.0	42.8	43.3	43.8	44.4	45.1	45.7	46.3	46.9
18	41.4	41.9	42.4	43.2	43.7	44.2	44.8	45.5	46.1	46.7	47.3
19	41.8	42.3	42.8	43.6	44.1	44.6	45.2	45.9	46.5	47.1	47.7
20	42.2	42.7	43.2	44.0	44.5	45.0	45.6	46.3	46.9	47.5	48.1
21	42.6	43.1	43.6	44.4	44.9	45.4	46.0	46.7	47.3	47.9	48.5
22	43.0	43.5	44.0	44.8	45.3	45.8	46.4	47.1	47.7	48.3	48.9
23	43.4	43.9	44.4	45.2	45.7	46.2	46.8	47.5	48.1	48.7	49.3
24	43.8	44.3	44.8	45.6	46.1	46.6	47.2	47.9	48.5	49.1	49.7
25	44.2	44.7	45.2	46.0	46.5	47.0	47.6	48.3	48.9	49.5	50.1
26	44.6	45.1	45.6	46.4	46.9	47.4	48.0	48.7	49.3	49.9	50.5
27	45.0	45.5	46.0	46.8	47.3	47.8	48.4	49.1	49.7	50.3	50.9
28	45.4	45.9	46.4	47.2	47.7	48.2	48.8	49.5	50.1	50.7	51.3
29	45.8	46.3	46.8	47.6	48.1	48.6	49.2	49.9	50.5	51.1	51.7
30	46.2	46.7	47.2	48.0	48.5	49.0	49.6	50.3	50.9	51.5	52.1
31	46.6	47.1	47.6	48.4	48.9	49.4	50.0	50.7	51.3	51.9	52.5
32	47.0	47.5	48.0	48.8	49.3	49.8	50.4	51.1	51.7	52.3	52.9
33	47.4	47.9	48.4	49.2	49.7	50.2	50.8	51.5	52.1	52.7	53.3
34	47.8	48.3	48.8	49.6	50.1	50.6	51.2	51.9	52.5	53.1	53.7
35	48.2	48.7	49.2	50.0	50.5	51.0	51.6	52.3	52.9	53.5	54.1
36	48.6	49.1	49.6	50.4	50.9	51.4	52.0	52.7	53.3	53.9	54.5
37	49.0	49.5	50.0	50.8	51.3	51.8	52.4	53.1	53.7	54.3	54.9
38	49.4	49.9	50.4	51.2	51.7	52.2	52.8	53.5	54.1	54.7	55.3
39	49.8	50.3	50.8	51.6	52.1	52.6	53.2	53.9	54.5	55.1	55.7
40	50.2	50.7	51.2	52.0	52.5	53.0	53.6	54.3	54.9	55.5	56.1
41	50.6	51.1	51.6	52.4	52.9	53.4	54.0	54.7	55.3	55.9	56.5
42	51.0	51.5	52.0	52.8	53.3	53.8	54.4	55.1	55.7	56.3	56.9
43	51.4	51.9	52.4	53.2	53.7	54.2	54.8	55.5	56.1	56.7	57.3
44	51.8	52.3	52.8	53.6	54.1	54.6	55.2	55.9	56.5	57.1	57.7
45	52.2	52.7	53.2	54.0	54.5	55.0	55.6	56.3	56.9	57.5	58.1
46	52.6	53.1	53.6	54.4	54.9	55.4	56.0	56.7	57.3	57.9	58.5
47	53.0	53.5	54.0	54.8	55.3	55.8	56.4	57.1	57.7	58.3	58.9
48	53.4	53.9	54.4	55.2	55.7	56.2	56.8	57.5	58.1	58.7	59.3
49	53.8	54.3	54.8	55.6	56.1	56.6	57.2	57.9	58.5	59.1	59.7
50	54.2	54.7	55.2	56.0	56.5	57.0	57.6	58.3	58.9	59.5	60.1
51	54.6	55.1	55.6	56.4	56.9	57.4	58.0	58.7	59.3	59.9	60.5
52	55.0	55.5	56.0	56.8	57.3	57.8	58.4	59.1	59.7	60.3	60.9
53	55.4	55.9	56.4	57.2	57.7	58.2	58.8	59.5	60.1	60.7	61.3
54	55.8	56.3	56.8	57.6	58.1	58.6	59.2	59.9	60.5	61.1	61.7
55	56.2	56.7	57.2	58.0	58.5	59.0	59.6	60.3	60.9	61.5	62.1
56	56.6	57.1	57.6	58.4	58.9	59.4	60.0	60.7	61.3	61.9	62.5
57	57.0	57.5	58.0	58.8	59.3	59.8	60.4	61.1	61.7	62.3	62.9
58	57.4	57.9	58.4	59.2	59.7	60.2	60.8	61.5	62.1	62.7	63.3
59	57.8	58.3	58.8	59.6	60.1	60.6	61.2	61.9	62.5	63.1	63.7
60	58.2	58.7	59.2	60.0	60.5	61.0	61.6	62.3	62.9	63.5	64.1

TABLE A-1 CONTINUED

TEMP DEG C	9.80	9.81	9.82	9.83	9.84	PH 9.85	9.86	9.87	9.88	9.89	9.90
7.0	48.1	48.7	49.3	49.8	50.4	51.0	51.6	52.2	52.8	53.4	54.0
7.2	48.5	49.1	49.7	50.2	50.8	51.4	52.0	52.6	53.2	53.8	54.4
7.4	48.9	49.5	50.1	50.6	51.2	51.8	52.4	53.0	53.6	54.2	54.8
7.6	49.3	49.9	50.5	51.0	51.6	52.2	52.8	53.4	54.0	54.6	55.2
7.8	49.7	50.3	50.9	51.4	52.0	52.6	53.2	53.8	54.4	55.0	55.6
8.0	50.1	50.7	51.3	51.8	52.4	53.0	53.6	54.2	54.8	55.4	56.0
8.2	50.5	51.1	51.7	52.2	52.8	53.4	54.0	54.6	55.2	55.8	56.4
8.4	50.9	51.5	52.1	52.6	53.2	53.8	54.4	55.0	55.6	56.2	56.8
8.6	51.3	51.9	52.5	53.0	53.6	54.2	54.8	55.4	56.0	56.6	57.2
8.8	51.7	52.3	52.9	53.4	54.0	54.6	55.2	55.8	56.4	57.0	57.6
9.0	52.1	52.7	53.3	53.8	54.4	55.0	55.6	56.2	56.8	57.4	58.0
9.2	52.5	53.1	53.7	54.2	54.8	55.4	56.0	56.6	57.2	57.8	58.4
9.4	52.9	53.5	54.1	54.6	55.2	55.8	56.4	57.0	57.6	58.2	58.8
9.6	53.3	53.9	54.5	55.0	55.6	56.2	56.8	57.4	58.0	58.6	59.2
9.8	53.7	54.3	54.9	55.4	56.0	56.6	57.2	57.8	58.4	59.0	59.6
10.0	54.1	54.7	55.3	55.8	56.4	57.0	57.6	58.2	58.8	59.4	60.0
10.2	54.5	55.1	55.7	56.2	56.8	57.4	58.0	58.6	59.2	59.8	60.4
10.4	54.9	55.5	56.1	56.6	57.2	57.8	58.4	59.0	59.6	60.2	60.8
10.6	55.3	55.9	56.5	57.0	57.6	58.2	58.8	59.4	60.0	60.6	61.2
10.8	55.7	56.3	56.9	57.4	58.0	58.6	59.2	59.8	60.4	61.0	61.6
11.0	56.1	56.7	57.3	57.8	58.4	59.0	59.6	60.2	60.8	61.4	62.0
11.2	56.5	57.1	57.7	58.2	58.8	59.4	60.0	60.6	61.2	61.8	62.4
11.4	56.9	57.5	58.1	58.6	59.2	59.8	60.4	61.0	61.6	62.2	62.8
11.6	57.3	57.9	58.5	59.0	59.6	60.2	60.8	61.4	62.0	62.6	63.2
11.8	57.7	58.3	58.9	59.4	60.0	60.6	61.2	61.8	62.4	63.0	63.6
12.0	58.1	58.7	59.3	59.8	60.4	61.0	61.6	62.2	62.8	63.4	64.0
12.2	58.5	59.1	59.7	60.2	60.8	61.4	62.0	62.6	63.2	63.8	64.4
12.4	58.9	59.5	60.1	60.6	61.2	61.8	62.4	63.0	63.6	64.2	64.8
12.6	59.3	59.9	60.5	61.0	61.6	62.2	62.8	63.4	64.0	64.6	65.2
12.8	59.7	60.3	60.9	61.4	62.0	62.6	63.2	63.8	64.4	65.0	65.6
13.0	60.1	60.7	61.3	61.8	62.4	63.0	63.6	64.2	64.8	65.4	66.0
13.2	60.5	61.1	61.7	62.2	62.8	63.4	64.0	64.6	65.2	65.8	66.4
13.4	60.9	61.5	62.1	62.6	63.2	63.8	64.4	65.0	65.6	66.2	66.8
13.6	61.3	61.9	62.5	63.0	63.6	64.2	64.8	65.4	66.0	66.6	67.2
13.8	61.7	62.3	62.9	63.4	64.0	64.6	65.2	65.8	66.4	67.0	67.6
14.0	62.1	62.7	63.3	63.8	64.4	65.0	65.6	66.2	66.8	67.4	68.0

TABLE A-1 CONTINUED

TABLE PAGE 291

TEMP DEG C	9.80	9.81	9.82	9.83	9.84	PH 9.85	9.86	9.87	9.88	9.89	9.90
14.0	61.6	62.1	62.6	63.2	63.7	64.2	64.8	65.3	65.8	66.3	66.8
14.2	61.9	62.4	62.9	63.5	64.0	64.5	65.1	65.6	66.1	66.6	67.1
14.4	62.3	62.8	63.3	63.9	64.4	64.9	65.5	66.0	66.5	67.0	67.5
14.6	62.6	63.1	63.6	64.2	64.7	65.2	65.8	66.3	66.8	67.3	67.8
14.8	63.0	63.5	64.0	64.6	65.1	65.6	66.2	66.7	67.2	67.7	68.2
15.0	63.3	63.8	64.3	64.9	65.4	65.9	66.5	67.0	67.5	68.0	68.5
15.2	63.7	64.2	64.7	65.3	65.8	66.3	66.9	67.4	67.9	68.4	68.9
15.4	64.0	64.5	65.0	65.6	66.1	66.6	67.2	67.7	68.2	68.7	69.2
15.6	64.4	64.9	65.4	66.0	66.5	67.0	67.6	68.1	68.6	69.1	69.6
15.8	64.7	65.2	65.7	66.3	66.8	67.3	67.9	68.4	68.9	69.4	69.9
16.0	65.1	65.6	66.1	66.7	67.2	67.7	68.3	68.8	69.3	69.8	70.3
16.2	65.4	65.9	66.4	67.0	67.5	68.0	68.6	69.1	69.6	70.1	70.6
16.4	65.7	66.2	66.7	67.3	67.8	68.3	68.9	69.4	69.9	70.4	70.9
16.6	66.1	66.6	67.1	67.7	68.2	68.7	69.3	69.8	70.3	70.8	71.3
16.8	66.4	66.9	67.4	68.0	68.5	69.0	69.6	70.1	70.6	71.1	71.6
17.0	66.7	67.2	67.7	68.3	68.8	69.3	69.9	70.4	70.9	71.4	71.9
17.2	67.1	67.6	68.1	68.7	69.2	69.7	70.3	70.8	71.3	71.8	72.3
17.4	67.4	67.9	68.4	69.0	69.5	70.0	70.6	71.1	71.6	72.1	72.6
17.6	67.7	68.2	68.7	69.3	69.8	70.3	70.9	71.4	71.9	72.4	72.9
17.8	68.1	68.6	69.1	69.7	70.2	70.7	71.3	71.8	72.3	72.8	73.3
18.0	68.4	68.9	69.4	70.0	70.5	71.0	71.6	72.1	72.6	73.1	73.6
18.2	68.7	69.2	69.7	70.3	70.8	71.3	71.9	72.4	72.9	73.4	73.9
18.4	69.0	69.5	70.0	70.6	71.1	71.6	72.2	72.7	73.2	73.7	74.2
18.6	69.3	69.8	70.3	70.9	71.4	71.9	72.5	73.0	73.5	74.0	74.5
18.8	69.6	70.1	70.6	71.2	71.7	72.2	72.8	73.3	73.8	74.3	74.8
19.0	69.9	70.4	70.9	71.5	72.0	72.5	73.1	73.6	74.1	74.6	75.1
19.2	70.3	70.8	71.3	71.9	72.4	72.9	73.5	74.0	74.5	75.0	75.5
19.4	70.6	71.1	71.6	72.2	72.7	73.2	73.8	74.3	74.8	75.3	75.8
19.6	70.9	71.4	71.9	72.5	73.0	73.5	74.1	74.6	75.1	75.6	76.1
19.8	71.2	71.7	72.2	72.8	73.3	73.8	74.4	74.9	75.4	75.9	76.4
20.0	71.5	72.0	72.5	73.1	73.6	74.1	74.7	75.2	75.7	76.2	76.7
20.2	71.8	72.3	72.8	73.4	73.9	74.4	75.0	75.5	76.0	76.5	77.0
20.4	72.1	72.6	73.1	73.7	74.2	74.7	75.3	75.8	76.3	76.8	77.3
20.6	72.4	72.9	73.4	74.0	74.5	75.0	75.6	76.1	76.6	77.1	77.6
20.8	72.7	73.2	73.7	74.3	74.8	75.3	75.9	76.4	76.9	77.4	77.9
21.0	72.9	73.4	73.9	74.5	75.0	75.5	76.1	76.6	77.1	77.6	78.1

TABLE A-1 CONTINUED

TABLE PAGE 292

TEMP DEG C	9.80	9.81	9.82	9.83	9.84	PH 9.85	9.86	9.87	9.88	9.89	9.90
21.0	72.9	73.4	73.8	74.3	74.7	75.1	75.6	76.0	76.4	76.8	77.2
21.2	73.0	73.5	74.0	74.5	75.0	75.4	75.9	76.3	76.8	77.1	77.5
21.4	73.1	73.6	74.1	74.6	75.1	75.5	76.0	76.5	76.9	77.3	77.7
21.6	73.2	73.7	74.2	74.7	75.2	75.6	76.1	76.6	77.0	77.4	77.8
21.8	73.3	73.8	74.3	74.8	75.3	75.7	76.2	76.7	77.1	77.5	77.9
22.0	73.4	73.9	74.4	74.9	75.4	75.8	76.3	76.8	77.2	77.6	78.0
22.2	73.5	74.0	74.5	75.0	75.5	75.9	76.4	76.9	77.3	77.7	78.1
22.4	73.6	74.1	74.6	75.1	75.6	76.0	76.5	77.0	77.4	77.8	78.2
22.6	73.7	74.2	74.7	75.2	75.7	76.1	76.6	77.1	77.5	77.9	78.3
22.8	73.8	74.3	74.8	75.3	75.8	76.2	76.7	77.2	77.6	78.0	78.4
23.0	73.9	74.4	74.9	75.4	75.9	76.3	76.8	77.3	77.7	78.1	78.5
23.2	74.0	74.5	75.0	75.5	76.0	76.4	76.9	77.4	77.8	78.2	78.6
23.4	74.1	74.6	75.1	75.6	76.1	76.5	77.0	77.5	77.9	78.3	78.7
23.6	74.2	74.7	75.2	75.7	76.2	76.6	77.1	77.6	78.0	78.4	78.8
23.8	74.3	74.8	75.3	75.8	76.3	76.7	77.2	77.7	78.1	78.5	78.9
24.0	74.4	74.9	75.4	75.9	76.4	76.8	77.3	77.8	78.2	78.6	79.0
24.2	74.5	75.0	75.5	76.0	76.5	76.9	77.4	77.9	78.3	78.7	79.1
24.4	74.6	75.1	75.6	76.1	76.6	77.0	77.5	78.0	78.4	78.8	79.2
24.6	74.7	75.2	75.7	76.2	76.7	77.1	77.6	78.1	78.5	78.9	79.3
24.8	74.8	75.3	75.8	76.3	76.8	77.2	77.7	78.2	78.6	79.0	79.4
25.0	74.9	75.4	75.9	76.4	76.9	77.3	77.8	78.3	78.7	79.1	79.5
25.2	75.0	75.5	76.0	76.5	77.0	77.4	77.9	78.4	78.8	79.2	79.6
25.4	75.1	75.6	76.1	76.6	77.1	77.5	78.0	78.5	78.9	79.3	79.7
25.6	75.2	75.7	76.2	76.7	77.2	77.6	78.1	78.6	79.0	79.4	79.8
25.8	75.3	75.8	76.3	76.8	77.3	77.7	78.2	78.7	79.1	79.5	79.9
26.0	75.4	75.9	76.4	76.9	77.4	77.8	78.3	78.8	79.2	79.6	80.0
26.2	75.5	76.0	76.5	77.0	77.5	77.9	78.4	78.9	79.3	79.7	80.1
26.4	75.6	76.1	76.6	77.1	77.6	78.0	78.5	79.0	79.4	79.8	80.2
26.6	75.7	76.2	76.7	77.2	77.7	78.1	78.6	79.1	79.5	79.9	80.3
26.8	75.8	76.3	76.8	77.3	77.8	78.2	78.7	79.2	79.6	80.0	80.4
27.0	75.9	76.4	76.9	77.4	77.9	78.3	78.8	79.3	79.7	80.1	80.5
27.2	76.0	76.5	77.0	77.5	78.0	78.4	78.9	79.4	79.8	80.2	80.6
27.4	76.1	76.6	77.1	77.6	78.1	78.5	79.0	79.5	79.9	80.3	80.7
27.6	76.2	76.7	77.2	77.7	78.2	78.6	79.1	79.6	80.0	80.4	80.8
27.8	76.3	76.8	77.3	77.8	78.3	78.7	79.2	79.7	80.1	80.5	80.9
28.0	76.4	76.9	77.4	77.9	78.4	78.8	79.3	79.8	80.2	80.6	81.0
28.2	76.5	77.0	77.5	78.0	78.5	78.9	79.4	79.9	80.3	80.7	81.1
28.4	76.6	77.1	77.6	78.1	78.6	79.0	79.5	80.0	80.4	80.8	81.2
28.6	76.7	77.2	77.7	78.2	78.7	79.1	79.6	80.1	80.5	80.9	81.3
28.8	76.8	77.3	77.8	78.3	78.8	79.2	79.7	80.2	80.6	81.0	81.4
29.0	76.9	77.4	77.9	78.4	78.9	79.3	79.8	80.3	80.7	81.1	81.5
29.2	77.0	77.5	78.0	78.5	79.0	79.4	79.9	80.4	80.8	81.2	81.6
29.4	77.1	77.6	78.1	78.6	79.1	79.5	80.0	80.5	80.9	81.3	81.7
29.6	77.2	77.7	78.2	78.7	79.2	79.6	80.1	80.6	81.0	81.4	81.8
29.8	77.3	77.8	78.3	78.8	79.3	79.7	80.2	80.7	81.1	81.5	81.9
30.0	77.4	77.9	78.4	78.9	79.4	79.8	80.3	80.8	81.2	81.6	82.0
30.2	77.5	78.0	78.5	79.0	79.5	79.9	80.4	80.9	81.3	81.7	82.1
30.4	77.6	78.1	78.6	79.1	79.6	80.0	80.5	81.0	81.4	81.8	82.2
30.6	77.7	78.2	78.7	79.2	79.7	80.1	80.6	81.1	81.5	81.9	82.3
30.8	77.8	78.3	78.8	79.3	79.8	80.2	80.7	81.2	81.6	82.0	82.4
31.0	77.9	78.4	78.9	79.4	79.9	80.3	80.8	81.3	81.7	82.1	82.5
31.2	78.0	78.5	79.0	79.5	80.0	80.4	80.9	81.4	81.8	82.2	82.6
31.4	78.1	78.6	79.1	79.6	80.1	80.5	81.0	81.5	81.9	82.3	82.7
31.6	78.2	78.7	79.2	79.7	80.2	80.6	81.1	81.6	82.0	82.4	82.8
31.8	78.3	78.8	79.3	79.8	80.3	80.7	81.2	81.7	82.1	82.5	82.9
32.0	78.4	78.9	79.4	79.9	80.4	80.8	81.3	81.8	82.2	82.6	83.0
32.2	78.5	79.0	79.5	80.0	80.5	80.9	81.4	81.9	82.3	82.7	83.1
32.4	78.6	79.1	79.6	80.1	80.6	81.0	81.5	82.0	82.4	82.8	83.2
32.6	78.7	79.2	79.7	80.2	80.7	81.1	81.6	82.1	82.5	82.9	83.3
32.8	78.8	79.3	79.8	80.3	80.8	81.2	81.7	82.2	82.6	83.0	83.4
33.0	78.9	79.4	79.9	80.4	80.9	81.3	81.8	82.3	82.7	83.1	83.5
33.2	79.0	79.5	80.0	80.5	81.0	81.4	81.9	82.4	82.8	83.2	83.6
33.4	79.1	79.6	80.1	80.6	81.1	81.5	82.0	82.5	82.9	83.3	83.7
33.6	79.2	79.7	80.2	80.7	81.2	81.6	82.1	82.6	83.0	83.4	83.8
33.8	79.3	79.8	80.3	80.8	81.3	81.7	82.2	82.7	83.1	83.5	83.9
34.0	79.4	79.9	80.4	80.9	81.4	81.8	82.3	82.8	83.2	83.6	84.0
34.2	79.5	80.0	80.5	81.0	81.5	81.9	82.4	82.9	83.3	83.7	84.1
34.4	79.6	80.1	80.6	81.1	81.6	82.0	82.5	83.0	83.4	83.8	84.2
34.6	79.7	80.2	80.7	81.2	81.7	82.1	82.6	83.1	83.5	83.9	84.3
34.8	79.8	80.3	80.8	81.3	81.8	82.2	82.7	83.2	83.6	84.0	84.4
35.0	79.9	80.4	80.9	81.4	81.9	82.3	82.8	83.3	83.7	84.1	84.5
35.2	80.0	80.5	81.0	81.5	82.0	82.4	82.9	83.4	83.8	84.2	84.6
35.4	80.1	80.6	81.1	81.6	82.1	82.5	83.0	83.5	83.9	84.3	84.7
35.6	80.2	80.7	81.2	81.7	82.2	82.6	83.1	83.6	84.0	84.4	84.8
35.8	80.3	80.8	81.3	81.8	82.3	82.7	83.2	83.7	84.1	84.5	84.9
36.0	80.4	80.9	81.4	81.9	82.4	82.8	83.3	83.8	84.2	84.6	85.0
36.2	80.5	81.0	81.5	82.0	82.5	82.9	83.4	83.9	84.3	84.7	85.1
36.4	80.6	81.1	81.6	82.1	82.6	83.0	83.5	84.0	84.4	84.8	85.2
36.6	80.7	81.2	81.7	82.2	82.7	83.1	83.6	84.1	84.5	84.9	85.3
36.8	80.8	81.3	81.8	82.3	82.8	83.2	83.7	84.2	84.6	85.0	85.4
37.0	80.9	81.4	81.9	82.4	82.9	83.3	83.8	84.3	84.7	85.1	85.5
37.2	81.0	81.5	82.0	82.5	83.0	83.4	83.9	84.4	84.8	85.2	85.6
37.4	81.1	81.6	82.1	82.6	83.1	83.5	84.0	84.5	84.9	85.3	85.7
37.6	81.2	81.7	82.2	82.7	83.2	83.6	84.1	84.6	85.0	85.4	85.8
37.8	81.3	81.8	82.3	82.8	83.3	83.7	84.2	84.7	85.1	85.5	85.9
38.0	81.4	81.9	82.4	82.9	83.4	83.8	84.3	84.8	85.2	85.6	86.0
38.2	81.5	82.0	82.5	83.0	83.5	83.9	84.4	84.9	85.3	85.7	86.1
38.4	81.6	82.1	82.6	83.1	83.6	84.0	84.5	85.0	85.4	85.8	86.2
38.6	81.7	82.2	82.7	83.2	83.7	84.1	84.6	85.1	85.5	85.9	86.3
38.8	81.8	82.3	82.8	83.3	83.8	84.2	84.7	85.2	85.6	86.0	86.4
39.0	81.9	82.4	82.9	83.4	83.9	84.3	84.8	85.3	85.7	86.1	86.5
39.2	82.0	82.5	83.0	83.5	84.0	84.4	84.9	85.4	85.8	86.2	86.6
39.4	82.1	82.6	83.1	83.6	84.1	84.5	85.0	85.5	85.9	86.3	86.7
39.6	82.2	82.7	83.2	83.7	84.2	84.6	85.1	85.6	86.0	86.4	86.8
39.8	82.3	82.8	83.3	83.8	84.3	84.7	85.2	85.7	86.1	86.5	86.9
40.0	82.4	82.9	83.4	83.9	84.4	84.8	85.3	85.8	86.2	86.6	87.0

TABLE PAGE 293

TABLE A-1 CONTINUED

TEMP DEG C	9.80	9.81	9.82	9.83	9.84	PH 9.85	9.86	9.87	9.88	9.89	9.90
28.0	81.6	81.9	82.3	82.6	82.9	83.2	83.6	83.9	84.2	84.5	84.8
28.2	81.8	82.1	82.5	82.8	83.1	83.4	83.8	84.1	84.4	84.7	85.0
28.4	82.0	82.3	82.7	83.0	83.3	83.6	84.0	84.3	84.6	84.9	85.2
28.6	82.2	82.5	82.9	83.2	83.5	83.8	84.2	84.5	84.8	85.1	85.4
29.0	82.6	82.9	83.3	83.6	83.9	84.2	84.6	84.9	85.2	85.5	85.8
29.2	82.8	83.1	83.5	83.8	84.1	84.4	84.8	85.1	85.4	85.7	86.0
29.4	83.0	83.3	83.7	84.0	84.3	84.6	85.0	85.3	85.6	85.9	86.2
29.6	83.2	83.5	83.9	84.2	84.5	84.8	85.2	85.5	85.8	86.1	86.4
30.0	83.6	83.9	84.3	84.6	84.9	85.2	85.6	85.9	86.2	86.5	86.8
30.2	83.8	84.1	84.5	84.8	85.1	85.4	85.8	86.1	86.4	86.7	87.0
30.4	84.0	84.3	84.7	85.0	85.3	85.6	86.0	86.3	86.6	86.9	87.2
30.6	84.2	84.5	84.9	85.2	85.5	85.8	86.2	86.5	86.8	87.1	87.4
31.0	84.6	84.9	85.3	85.6	85.9	86.2	86.6	86.9	87.2	87.5	87.8
31.2	84.8	85.1	85.5	85.8	86.1	86.4	86.8	87.1	87.4	87.7	88.0
31.4	85.0	85.3	85.7	86.0	86.3	86.6	87.0	87.3	87.6	87.9	88.2
31.6	85.2	85.5	85.9	86.2	86.5	86.8	87.2	87.5	87.8	88.1	88.4
32.0	85.6	85.9	86.3	86.6	86.9	87.2	87.6	87.9	88.2	88.5	88.8
32.2	85.8	86.1	86.5	86.8	87.1	87.4	87.8	88.1	88.4	88.7	89.0
32.4	86.0	86.3	86.7	87.0	87.3	87.6	88.0	88.3	88.6	88.9	89.2
32.6	86.2	86.5	86.9	87.2	87.5	87.8	88.2	88.5	88.8	89.1	89.4
32.8	86.4	86.7	87.1	87.4	87.7	88.0	88.4	88.7	89.0	89.3	89.6
33.0	86.6	86.9	87.3	87.6	87.9	88.2	88.6	88.9	89.2	89.5	89.8
33.2	86.8	87.1	87.5	87.8	88.1	88.4	88.8	89.1	89.4	89.7	90.0
33.4	87.0	87.3	87.7	88.0	88.3	88.6	89.0	89.3	89.6	89.9	90.2
33.6	87.2	87.5	87.9	88.2	88.5	88.8	89.2	89.5	89.8	90.1	90.4
33.8	87.4	87.7	88.1	88.4	88.7	89.0	89.4	89.7	90.0	90.3	90.6
34.0	87.6	87.9	88.3	88.6	88.9	89.2	89.6	89.9	90.2	90.5	90.8
34.2	87.8	88.1	88.5	88.8	89.1	89.4	89.8	90.1	90.4	90.7	91.0
34.4	88.0	88.3	88.7	89.0	89.3	89.6	90.0	90.3	90.6	90.9	91.2
34.6	88.2	88.5	88.9	89.2	89.5	89.8	90.2	90.5	90.8	91.1	91.4
34.8	88.4	88.7	89.1	89.4	89.7	90.0	90.4	90.7	91.0	91.3	91.6
35.0	88.6	88.9	89.3	89.6	89.9	90.2	90.6	90.9	91.2	91.5	91.8

TABLE A-1 CONTINUED

TEMP DEG C	9.80	9.81	9.82	9.83	9.84	PH 9.85	9.86	9.87	9.88	9.89	9.90
35.0	87.7	87.9	88.2	88.4	88.6	88.0	89.1	89.3	89.5	89.7	90.0
35.2	87.8	88.1	88.3	88.5	88.7	89.0	89.2	89.4	89.6	89.8	90.1
35.4	88.0	88.2	88.4	88.6	88.8	89.1	89.3	89.5	89.7	89.9	90.2
35.6	88.1	88.3	88.5	88.7	88.9	89.2	89.4	89.6	89.8	90.0	90.3
35.8	88.2	88.4	88.6	88.8	89.0	89.3	89.5	89.7	89.9	90.1	90.4
36.0	88.4	88.6	88.8	89.1	89.3	89.5	89.7	89.9	90.1	90.3	90.5
36.2	88.5	88.7	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6
36.4	88.6	88.9	89.1	89.3	89.5	89.7	89.9	90.1	90.3	90.5	90.8
36.6	88.8	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.9
36.8	88.9	89.1	89.3	89.5	89.7	89.9	90.1	90.3	90.5	90.7	91.0
37.0	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.1
37.2	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.3
37.4	89.3	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.4
37.6	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.5
37.8	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.6
38.0	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.7
38.2	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8
38.4	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	92.0
38.6	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.1
38.8	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.2
39.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.3
39.2	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.4
39.4	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.5
39.6	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.6
39.8	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.7
40.0	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.8

TABLE PAGE 295

TABLE A-1 CONTINUED

TEMP DEG C	9.90	9.91	9.92	9.93	9.94	PH 9.95	9.96	9.97	9.98	9.99	10.00
0	39.6	40.2	40.7	41.3	41.9	42.4	43.0	43.6	44.1	44.7	45.3
1	40.0	40.6	41.2	41.8	42.4	43.0	43.6	44.2	44.8	45.5	46.1
2	40.4	41.0	41.6	42.2	42.8	43.4	44.0	44.6	45.2	45.9	46.5
3	40.8	41.4	42.0	42.6	43.2	43.8	44.4	45.0	45.6	46.3	46.9
4	41.2	41.8	42.4	43.0	43.6	44.2	44.8	45.4	46.0	46.7	47.3
5	41.6	42.2	42.8	43.4	44.0	44.6	45.2	45.8	46.4	47.1	47.7
6	42.0	42.6	43.2	43.8	44.4	45.0	45.6	46.2	46.8	47.5	48.1
7	42.4	43.0	43.6	44.2	44.8	45.4	46.0	46.6	47.2	47.9	48.5
8	42.8	43.4	44.0	44.6	45.2	45.8	46.4	47.0	47.6	48.3	48.9
9	43.2	43.8	44.4	45.0	45.6	46.2	46.8	47.4	48.0	48.7	49.3
10	43.6	44.2	44.8	45.4	46.0	46.6	47.2	47.8	48.4	49.1	49.7
11	44.0	44.6	45.2	45.8	46.4	47.0	47.6	48.2	48.8	49.5	50.1
12	44.4	45.0	45.6	46.2	46.8	47.4	48.0	48.6	49.2	49.9	50.5
13	44.8	45.4	46.0	46.6	47.2	47.8	48.4	49.0	49.6	50.3	50.9
14	45.2	45.8	46.4	47.0	47.6	48.2	48.8	49.4	50.0	50.7	51.3
15	45.6	46.2	46.8	47.4	48.0	48.6	49.2	49.8	50.4	51.1	51.7
16	46.0	46.6	47.2	47.8	48.4	49.0	49.6	50.2	50.8	51.5	52.1
17	46.4	47.0	47.6	48.2	48.8	49.4	50.0	50.6	51.2	51.9	52.5
18	46.8	47.4	48.0	48.6	49.2	49.8	50.4	51.0	51.6	52.3	52.9
19	47.2	47.8	48.4	49.0	49.6	50.2	50.8	51.4	52.0	52.7	53.3
20	47.6	48.2	48.8	49.4	50.0	50.6	51.2	51.8	52.4	53.1	53.7
21	48.0	48.6	49.2	49.8	50.4	51.0	51.6	52.2	52.8	53.5	54.1
22	48.4	49.0	49.6	50.2	50.8	51.4	52.0	52.6	53.2	53.9	54.5
23	48.8	49.4	50.0	50.6	51.2	51.8	52.4	53.0	53.6	54.3	54.9
24	49.2	49.8	50.4	51.0	51.6	52.2	52.8	53.4	54.0	54.7	55.3
25	49.6	50.2	50.8	51.4	52.0	52.6	53.2	53.8	54.4	55.1	55.7
26	50.0	50.6	51.2	51.8	52.4	53.0	53.6	54.2	54.8	55.5	56.1
27	50.4	51.0	51.6	52.2	52.8	53.4	54.0	54.6	55.2	55.9	56.5
28	50.8	51.4	52.0	52.6	53.2	53.8	54.4	55.0	55.6	56.3	56.9
29	51.2	51.8	52.4	53.0	53.6	54.2	54.8	55.4	56.0	56.7	57.3
30	51.6	52.2	52.8	53.4	54.0	54.6	55.2	55.8	56.4	57.1	57.7
31	52.0	52.6	53.2	53.8	54.4	55.0	55.6	56.2	56.8	57.5	58.1
32	52.4	53.0	53.6	54.2	54.8	55.4	56.0	56.6	57.2	57.9	58.5
33	52.8	53.4	54.0	54.6	55.2	55.8	56.4	57.0	57.6	58.3	58.9
34	53.2	53.8	54.4	55.0	55.6	56.2	56.8	57.4	58.0	58.7	59.3
35	53.6	54.2	54.8	55.4	56.0	56.6	57.2	57.8	58.4	59.1	59.7
36	54.0	54.6	55.2	55.8	56.4	57.0	57.6	58.2	58.8	59.5	60.1
37	54.4	55.0	55.6	56.2	56.8	57.4	58.0	58.6	59.2	59.9	60.5
38	54.8	55.4	56.0	56.6	57.2	57.8	58.4	59.0	59.6	60.3	60.9
39	55.2	55.8	56.4	57.0	57.6	58.2	58.8	59.4	60.0	60.7	61.3
40	55.6	56.2	56.8	57.4	58.0	58.6	59.2	59.8	60.4	61.1	61.7
41	56.0	56.6	57.2	57.8	58.4	59.0	59.6	60.2	60.8	61.5	62.1
42	56.4	57.0	57.6	58.2	58.8	59.4	60.0	60.6	61.2	61.9	62.5
43	56.8	57.4	58.0	58.6	59.2	59.8	60.4	61.0	61.6	62.3	62.9
44	57.2	57.8	58.4	59.0	59.6	60.2	60.8	61.4	62.0	62.7	63.3
45	57.6	58.2	58.8	59.4	60.0	60.6	61.2	61.8	62.4	63.1	63.7
46	58.0	58.6	59.2	59.8	60.4	61.0	61.6	62.2	62.8	63.5	64.1
47	58.4	59.0	59.6	60.2	60.8	61.4	62.0	62.6	63.2	63.9	64.5
48	58.8	59.4	60.0	60.6	61.2	61.8	62.4	63.0	63.6	64.3	64.9
49	59.2	59.8	60.4	61.0	61.6	62.2	62.8	63.4	64.0	64.7	65.3
50	59.6	60.2	60.8	61.4	62.0	62.6	63.2	63.8	64.4	65.1	65.7
51	60.0	60.6	61.2	61.8	62.4	63.0	63.6	64.2	64.8	65.5	66.1
52	60.4	61.0	61.6	62.2	62.8	63.4	64.0	64.6	65.2	65.9	66.5
53	60.8	61.4	62.0	62.6	63.2	63.8	64.4	65.0	65.6	66.3	66.9
54	61.2	61.8	62.4	63.0	63.6	64.2	64.8	65.4	66.0	66.7	67.3
55	61.6	62.2	62.8	63.4	64.0	64.6	65.2	65.8	66.4	67.1	67.7
56	62.0	62.6	63.2	63.8	64.4	65.0	65.6	66.2	66.8	67.5	68.1
57	62.4	63.0	63.6	64.2	64.8	65.4	66.0	66.6	67.2	67.9	68.5
58	62.8	63.4	64.0	64.6	65.2	65.8	66.4	67.0	67.6	68.3	68.9
59	63.2	63.8	64.4	65.0	65.6	66.2	66.8	67.4	68.0	68.7	69.3
60	63.6	64.2	64.8	65.4	66.0	66.6	67.2	67.8	68.4	69.1	69.7

TABLE A-1 CONTINUED

TABLE PAGE 296

TEMP DEG C	9.90	9.91	9.92	9.93	9.94	PH 9.95	9.96	9.97	9.98	9.99	10.00
7.0	53.8	54.4	55.0	55.6	56.1	56.7	57.3	57.8	58.4	59.3	59.5
7.2	54.2	54.8	55.4	56.0	56.5	57.1	57.7	58.2	58.8	59.3	59.3
7.4	54.6	55.2	55.8	56.4	56.9	57.5	58.1	58.6	59.2	59.3	59.3
7.6	55.0	55.6	56.2	56.8	57.3	57.9	58.5	59.0	59.6	60.1	60.6
7.8	55.4	56.0	56.6	57.2	57.7	58.3	58.9	59.4	60.0	60.5	61.0
8.0	55.8	56.4	57.0	57.5	58.1	58.6	59.2	59.7	60.3	60.8	61.4
8.2	56.2	56.8	57.3	57.9	58.4	59.0	59.6	60.1	60.7	61.2	61.8
8.4	56.6	57.2	57.7	58.3	58.8	59.4	60.0	60.5	61.1	61.6	62.2
8.6	57.0	57.6	58.1	58.7	59.2	59.8	60.4	60.9	61.5	62.0	62.5
8.8	57.4	58.0	58.5	59.1	59.6	60.2	60.8	61.3	61.9	62.4	62.9
9.0	57.8	58.4	58.9	59.5	60.0	60.6	61.2	61.7	62.3	62.8	63.3
9.2	58.2	58.8	59.3	59.9	60.4	61.0	61.6	62.1	62.7	63.2	63.7
9.4	58.6	59.2	59.7	60.3	60.8	61.4	62.0	62.5	63.1	63.6	64.1
9.6	59.0	59.6	60.1	60.7	61.2	61.8	62.4	62.9	63.5	64.0	64.5
9.8	59.4	60.0	60.5	61.1	61.6	62.2	62.8	63.3	63.9	64.4	64.9
10.0	59.8	60.4	60.9	61.5	62.0	62.6	63.2	63.7	64.3	64.8	65.1
10.2	60.2	60.8	61.3	61.9	62.4	63.0	63.6	64.1	64.7	65.2	65.8
10.4	60.6	61.2	61.7	62.3	62.8	63.4	64.0	64.5	65.1	65.6	66.1
10.6	61.0	61.6	62.1	62.7	63.2	63.8	64.4	64.9	65.5	66.0	66.5
10.8	61.4	62.0	62.5	63.1	63.6	64.2	64.8	65.3	65.9	66.4	66.8
11.0	61.8	62.4	62.9	63.5	64.0	64.6	65.2	65.7	66.3	66.8	67.2
11.2	62.2	62.8	63.3	63.9	64.4	65.0	65.6	66.1	66.7	67.2	67.7
11.4	62.6	63.2	63.7	64.3	64.8	65.4	66.0	66.5	67.1	67.6	68.1
11.6	63.0	63.6	64.1	64.7	65.2	65.8	66.4	66.9	67.5	68.0	68.5
11.8	63.4	64.0	64.5	65.1	65.6	66.2	66.8	67.3	67.9	68.4	68.9
12.0	63.8	64.4	64.9	65.5	66.0	66.6	67.2	67.7	68.3	68.8	69.3
12.2	64.2	64.8	65.3	65.9	66.4	67.0	67.6	68.1	68.7	69.2	69.7
12.4	64.6	65.2	65.7	66.3	66.8	67.4	68.0	68.5	69.1	69.6	70.1
12.6	65.0	65.6	66.1	66.7	67.2	67.8	68.4	68.9	69.5	70.0	70.5
12.8	65.4	66.0	66.5	67.1	67.6	68.2	68.8	69.3	69.9	70.4	70.9
13.0	65.8	66.4	66.9	67.5	68.0	68.6	69.2	69.7	70.3	70.8	71.3
13.2	66.2	66.8	67.3	67.9	68.4	69.0	69.6	70.1	70.7	71.2	71.7
13.4	66.6	67.2	67.7	68.3	68.8	69.4	70.0	70.5	71.1	71.6	72.1
13.6	67.0	67.6	68.1	68.7	69.2	69.8	70.4	70.9	71.5	72.0	72.5
13.8	67.4	68.0	68.5	69.1	69.6	70.2	70.8	71.3	71.9	72.4	72.9
14.0	67.8	68.4	68.9	69.5	70.0	70.6	71.2	71.7	72.3	72.8	73.3

TABLE A-1 CONTINUED

TEMP DEG C	9.90	9.91	9.92	9.93	9.94	PH 9.95	9.96	9.97	9.98	9.99	10.00
14.0	66.8	67.3	67.9	68.4	68.8	69.3	69.8	70.3	70.8	71.3	71.7
14.2	67.2	67.7	68.2	68.7	69.2	69.7	70.1	70.6	71.1	71.6	72.0
14.4	67.5	68.0	68.5	69.0	69.5	70.0	70.5	70.9	71.4	71.9	72.3
14.6	67.8	68.3	68.8	69.3	69.8	70.3	70.8	71.2	71.7	72.2	72.6
14.8	68.2	68.7	69.2	69.7	70.1	70.6	71.1	71.6	72.0	72.5	72.9
15.0	68.5	69.0	69.5	70.0	70.5	70.9	71.4	71.9	72.3	72.8	73.2
15.2	68.8	69.3	69.8	70.3	70.8	71.2	71.7	72.2	72.6	73.1	73.5
15.4	69.1	69.6	70.1	70.6	71.1	71.5	72.0	72.5	72.9	73.4	73.8
15.6	69.5	70.0	70.4	70.9	71.4	71.9	72.3	72.8	73.3	73.7	74.1
15.8	69.8	70.3	70.8	71.2	71.7	72.2	72.6	73.1	73.5	74.0	74.4
16.0	70.1	70.6	71.1	71.5	72.0	72.5	72.9	73.4	73.8	74.3	74.7
16.2	70.4	70.9	71.4	71.8	72.3	72.8	73.2	73.7	74.1	74.6	75.0
16.4	70.7	71.2	71.7	72.1	72.6	73.1	73.5	74.0	74.4	74.9	75.3
16.6	71.0	71.5	72.0	72.4	72.9	73.3	73.8	74.3	74.7	75.2	75.6
16.8	71.3	71.8	72.3	72.7	73.2	73.6	74.1	74.5	75.0	75.4	75.8
17.0	71.6	72.1	72.6	73.0	73.5	73.9	74.4	74.8	75.3	75.7	76.1
17.2	72.0	72.4	72.9	73.3	73.8	74.2	74.7	75.1	75.6	76.0	76.4
17.4	72.3	72.8	73.2	73.7	74.1	74.5	75.0	75.4	75.9	76.3	76.7
17.6	72.5	73.0	73.5	73.9	74.4	74.8	75.3	75.7	76.2	76.6	77.0
17.8	72.8	73.3	73.7	74.2	74.6	75.1	75.5	76.0	76.4	76.9	77.3
18.0	73.1	73.6	74.0	74.5	74.9	75.4	75.8	76.3	76.7	77.2	77.6
18.2	73.4	73.9	74.3	74.8	75.2	75.7	76.1	76.6	77.0	77.5	77.9
18.4	73.7	74.2	74.6	75.0	75.5	75.9	76.4	76.8	77.3	77.7	78.1
18.6	74.0	74.5	74.9	75.4	75.8	76.3	76.7	77.2	77.6	78.1	78.5
18.8	74.3	74.8	75.2	75.7	76.1	76.6	77.0	77.5	77.9	78.4	78.8
19.0	74.6	75.0	75.5	75.9	76.4	76.8	77.3	77.7	78.2	78.6	79.0
19.2	74.8	75.3	75.7	76.2	76.6	77.1	77.5	78.0	78.4	78.9	79.3
19.4	75.1	75.5	76.0	76.4	76.9	77.3	77.8	78.2	78.7	79.1	79.5
19.6	75.4	75.8	76.3	76.7	77.2	77.6	78.1	78.5	79.0	79.4	79.8
19.8	75.7	76.1	76.6	77.0	77.5	77.9	78.4	78.8	79.3	79.7	80.1
20.0	75.9	76.4	76.8	77.3	77.7	78.2	78.6	79.1	79.5	80.0	80.4
20.2	76.2	76.6	77.1	77.5	78.0	78.4	78.9	79.3	79.8	80.2	80.6
20.4	76.5	76.9	77.4	77.8	78.3	78.7	79.2	79.6	80.1	80.5	80.9
20.6	76.7	77.2	77.6	78.1	78.5	79.0	79.4	79.9	80.3	80.8	81.2
20.8	77.0	77.4	77.9	78.3	78.8	79.2	79.7	80.1	80.6	81.0	81.4
21.0	77.2	77.6	78.0	78.5	78.9	79.4	79.8	80.3	80.7	81.2	81.6

TABLE A-1 CONTINUED

TEMP DEG C	9.90	9.91	9.92	9.93	9.94	PH 9.95	9.96	9.97	9.98	9.99	10.00
21.0	77.2	77.6	78.0	78.4	78.8	79.2	79.6	79.9	80.3	80.7	81.0
21.2	77.5	77.9	78.3	78.7	79.1	79.4	79.8	80.2	80.6	81.0	81.3
21.4	77.7	78.1	78.5	78.9	79.3	79.7	80.1	80.5	80.9	81.3	81.5
21.6	78.0	78.4	78.8	79.2	79.6	80.0	80.4	80.8	81.2	81.6	81.9
21.8	78.2	78.6	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.8	82.1
22.0	78.5	78.9	79.2	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.3
22.2	78.7	79.1	79.5	79.9	80.3	80.7	81.1	81.5	81.9	82.3	82.6
22.4	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.8	82.2	82.6	82.9
22.6	79.2	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.8	83.1
22.8	79.4	79.8	80.2	80.6	81.0	81.4	81.8	82.2	82.6	83.0	83.3
23.0	79.7	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.5
23.2	79.9	80.3	80.7	81.1	81.5	81.9	82.3	82.7	83.1	83.5	83.8
23.4	80.1	80.5	80.9	81.3	81.7	82.1	82.5	82.9	83.3	83.7	84.0
23.6	80.4	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.6	84.0	84.3
23.8	80.6	81.0	81.4	81.8	82.2	82.6	83.0	83.4	83.8	84.2	84.5
24.0	80.9	81.3	81.7	82.1	82.5	82.9	83.3	83.7	84.1	84.5	84.8
24.2	81.1	81.5	81.9	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.0
24.4	81.4	81.8	82.2	82.6	83.0	83.4	83.8	84.2	84.6	85.0	85.3
24.6	81.7	82.1	82.5	82.9	83.3	83.7	84.1	84.5	84.9	85.3	85.6
24.8	81.9	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.1	85.5	85.8
25.0	82.2	82.6	83.0	83.4	83.8	84.2	84.6	85.0	85.4	85.8	86.1
25.2	82.4	82.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.3
25.4	82.7	83.1	83.5	83.9	84.3	84.7	85.1	85.5	85.9	86.3	86.6
25.6	82.9	83.3	83.7	84.1	84.5	84.9	85.3	85.7	86.1	86.5	86.8
25.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.1
26.0	83.4	83.8	84.2	84.6	85.0	85.4	85.8	86.2	86.6	87.0	87.3
26.2	83.7	84.1	84.5	84.9	85.3	85.7	86.1	86.5	86.9	87.3	87.6
26.4	83.9	84.3	84.7	85.1	85.5	85.9	86.3	86.7	87.1	87.5	87.8
26.6	84.2	84.6	85.0	85.4	85.8	86.2	86.6	87.0	87.4	87.8	88.1
26.8	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0	88.3
27.0	84.7	85.1	85.5	85.9	86.3	86.7	87.1	87.5	87.9	88.3	88.6
27.2	84.9	85.3	85.7	86.1	86.5	86.9	87.3	87.7	88.1	88.5	88.8
27.4	85.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0	88.4	88.8	89.1
27.6	85.4	85.8	86.2	86.6	87.0	87.4	87.8	88.2	88.6	89.0	89.3
27.8	85.7	86.1	86.5	86.9	87.3	87.7	88.1	88.5	88.9	89.3	89.6
28.0	85.9	86.3	86.7	87.1	87.5	87.9	88.3	88.7	89.1	89.5	89.8

TABLE A-1 CONTINUED

TEMP DEG C	9.90	9.91	9.92	9.93	9.94	PH 9.95	9.96	9.97	9.98	9.99	10.00
28.0	84.8	85.1	85.4	85.7	85.9	86.2	86.5	86.9	87.0	87.3	87.5
28.2	85.0	85.3	85.6	85.9	86.1	86.4	86.6	87.0	87.2	87.4	87.7
28.4	85.1	85.4	85.7	86.0	86.3	86.5	86.8	87.1	87.3	87.6	87.8
28.6	85.3	85.6	85.9	86.2	86.5	86.7	87.0	87.4	87.5	87.9	88.0
28.8	85.5	85.8	86.1	86.4	86.7	86.9	87.2	87.5	87.6	88.0	88.1
29.0	85.7	86.0	86.3	86.6	86.9	87.0	87.3	87.5	87.6	88.0	88.3
29.2	85.8	86.1	86.4	86.7	87.0	87.2	87.4	87.7	87.9	88.2	88.4
29.4	86.0	86.3	86.6	86.9	87.2	87.3	87.6	87.8	88.1	88.3	88.5
29.6	86.2	86.5	86.8	87.1	87.4	87.6	87.9	88.1	88.4	88.6	88.8
29.8	86.5	86.7	87.0	87.3	87.5	87.7	88.0	88.3	88.5	88.7	89.0
30.0	86.6	86.9	87.2	87.5	87.8	88.0	88.3	88.5	88.8	89.0	89.2
30.2	86.8	87.1	87.4	87.7	88.0	88.2	88.5	88.7	89.0	89.2	89.4
30.4	87.0	87.3	87.6	87.9	88.2	88.4	88.7	88.9	89.2	89.4	89.6
30.6	87.1	87.4	87.7	88.0	88.3	88.5	88.8	89.0	89.3	89.5	89.7
30.8	87.3	87.6	87.9	88.2	88.5	88.7	89.0	89.2	89.5	89.7	89.9
31.0	87.4	87.7	88.0	88.3	88.6	88.8	89.1	89.3	89.6	89.8	90.0
31.2	87.6	87.9	88.2	88.5	88.8	89.0	89.3	89.5	89.8	90.0	90.2
31.4	87.7	88.0	88.3	88.6	88.9	89.1	89.4	89.6	89.9	90.1	90.3
31.6	87.8	88.1	88.4	88.7	89.0	89.2	89.5	89.7	90.0	90.2	90.4
31.8	88.0	88.3	88.6	88.9	89.2	89.4	89.7	89.9	90.2	90.4	90.6
32.0	88.1	88.4	88.7	89.0	89.3	89.5	89.8	90.0	90.3	90.5	90.7
32.2	88.3	88.6	88.9	89.2	89.5	89.7	90.0	90.2	90.5	90.7	90.9
32.4	88.4	88.7	89.0	89.3	89.6	89.8	90.1	90.3	90.6	90.8	91.0
32.6	88.5	88.8	89.1	89.4	89.7	89.9	90.2	90.4	90.7	90.9	91.1
32.8	88.7	89.0	89.3	89.6	89.9	90.1	90.4	90.6	90.9	91.1	91.3
33.0	88.8	89.1	89.4	89.7	90.0	90.2	90.5	90.7	91.0	91.2	91.4
33.2	88.9	89.2	89.5	89.8	90.1	90.3	90.6	90.8	91.1	91.3	91.5
33.4	89.0	89.3	89.6	89.9	90.2	90.4	90.7	90.9	91.2	91.4	91.6
33.6	89.1	89.4	89.7	90.0	90.3	90.5	90.8	91.0	91.3	91.5	91.7
33.8	89.2	89.5	89.8	90.1	90.4	90.6	90.9	91.1	91.4	91.6	91.8
34.0	89.3	89.6	89.9	90.2	90.5	90.7	91.0	91.2	91.5	91.7	91.9
34.2	89.4	89.7	90.0	90.3	90.6	90.8	91.1	91.3	91.6	91.8	92.0
34.4	89.5	89.8	90.1	90.4	90.7	90.9	91.2	91.4	91.7	91.9	92.1
34.6	89.6	89.9	90.2	90.5	90.8	91.0	91.3	91.5	91.8	92.0	92.2
34.8	89.7	90.0	90.3	90.6	90.9	91.1	91.4	91.6	91.9	92.1	92.3
35.0	89.8	90.1	90.4	90.7	91.0	91.2	91.5	91.7	92.0	92.2	92.4

TABLE A-1 CONTINUED

TEMP DEG C	9.90	9.91	9.92	9.93	9.94	PH 9.95	9.96	9.97	9.98	9.99	10.00
35.0	90.0	90.2	90.4	90.6	90.8	90.9	91.1	91.3	91.5	91.7	91.9
35.2	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1
35.4	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2
35.6	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3
35.8	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4
36.0	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5
36.2	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6
36.4	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8
36.6	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0
36.8	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1
37.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2
37.2	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3
37.4	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4
37.6	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5
37.8	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6
38.0	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7
38.2	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8
38.4	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9
38.6	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0
38.8	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1
39.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2
39.2	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3
39.4	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4
39.6	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5
39.8	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6
40.0	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5	94.7

TABLE A-1 CONTINUED

TEMP DEG C	10.00	10.01	10.02	10.03	10.04	PH 10.05	10.06	10.07	10.08	10.09	10.10
0	45.3	45.8	46.4	47.0	47.6	48.1	48.7	49.3	49.9	50.4	51.0
2	45.7	46.3	46.8	47.4	48.0	48.5	49.1	49.7	50.3	50.8	51.4
4	46.1	46.7	47.2	47.8	48.4	48.9	49.5	50.1	50.7	51.2	51.8
6	46.5	47.1	47.7	48.2	48.8	49.3	49.9	50.5	51.1	51.6	52.2
8	46.9	47.5	48.1	48.6	49.2	49.7	50.3	50.9	51.5	52.0	52.6
1.0	47.3	47.9	48.5	49.0	49.6	50.1	50.7	51.3	51.9	52.4	53.0
1.2	47.7	48.3	48.9	49.4	50.0	50.5	51.1	51.7	52.3	52.8	53.4
1.4	48.1	48.7	49.3	49.8	50.4	50.9	51.5	52.1	52.7	53.2	53.8
1.6	48.5	49.1	49.7	50.2	50.8	51.3	51.9	52.5	53.1	53.6	54.2
1.8	48.9	49.5	50.1	50.6	51.2	51.7	52.3	52.9	53.5	54.0	54.6
2.0	49.3	49.9	50.5	51.0	51.6	52.1	52.7	53.3	53.9	54.4	55.0
2.2	49.7	50.3	50.9	51.4	52.0	52.5	53.1	53.7	54.3	54.8	55.4
2.4	50.1	50.7	51.3	51.8	52.4	52.9	53.5	54.1	54.7	55.2	55.8
2.6	50.5	51.1	51.7	52.2	52.8	53.3	53.9	54.5	55.1	55.6	56.2
2.8	50.9	51.5	52.1	52.6	53.2	53.7	54.3	54.9	55.5	56.0	56.6
3.0	51.3	51.9	52.5	53.0	53.6	54.1	54.7	55.3	55.9	56.4	57.0
3.2	51.7	52.3	52.9	53.4	54.0	54.5	55.1	55.7	56.3	56.8	57.4
3.4	52.1	52.7	53.3	53.8	54.4	54.9	55.5	56.1	56.7	57.2	57.8
3.6	52.5	53.1	53.7	54.2	54.8	55.3	55.9	56.5	57.1	57.6	58.2
3.8	52.9	53.5	54.1	54.6	55.2	55.7	56.3	56.9	57.5	58.0	58.6
4.0	53.3	53.9	54.5	55.0	55.6	56.1	56.7	57.3	57.9	58.4	59.0
4.2	53.7	54.3	54.9	55.4	56.0	56.5	57.1	57.7	58.3	58.8	59.4
4.4	54.1	54.7	55.3	55.8	56.4	56.9	57.5	58.1	58.7	59.2	59.8
4.6	54.5	55.1	55.7	56.2	56.8	57.3	57.9	58.5	59.1	59.6	60.2
4.8	54.9	55.5	56.1	56.6	57.2	57.7	58.3	58.9	59.5	60.0	60.6
5.0	55.3	55.9	56.5	57.0	57.6	58.1	58.7	59.3	59.9	60.4	61.0
5.2	55.7	56.3	56.9	57.4	58.0	58.5	59.1	59.7	60.3	60.8	61.4
5.4	56.1	56.7	57.3	57.8	58.4	58.9	59.5	60.1	60.7	61.2	61.8
5.6	56.5	57.1	57.7	58.2	58.8	59.3	59.9	60.5	61.1	61.6	62.2
5.8	56.9	57.5	58.1	58.6	59.2	59.7	60.3	60.9	61.5	62.0	62.6
6.0	57.3	57.9	58.5	59.0	59.6	60.1	60.7	61.3	61.9	62.4	63.0
6.2	57.7	58.3	58.9	59.4	60.0	60.5	61.1	61.7	62.3	62.8	63.4
6.4	58.1	58.7	59.3	59.8	60.4	60.9	61.5	62.1	62.7	63.2	63.8
6.6	58.5	59.1	59.7	60.2	60.8	61.3	61.9	62.5	63.1	63.6	64.2
6.8	58.9	59.5	60.1	60.6	61.2	61.7	62.3	62.9	63.5	64.0	64.6
7.0	59.3	59.9	60.5	61.0	61.6	62.1	62.7	63.3	63.9	64.4	65.0

TABLE A-1 CONTINUED

TEMP DEG C	10.00	10.01	10.02	10.03	10.04	PH 10.05	10.06	10.07	10.08	10.09	10.10
7.0	59.5	60.1	60.6	61.1	61.7	62.2	62.8	63.3	63.8	64.4	64.9
7.2	59.9	60.4	61.0	61.5	62.1	62.6	63.2	63.7	64.2	64.7	65.3
7.4	60.3	60.8	61.4	61.9	62.4	63.0	63.5	64.1	64.6	65.1	65.6
7.6	60.6	61.2	61.7	62.3	62.8	63.4	63.9	64.4	64.9	65.5	66.0
7.8	61.0	61.6	62.1	62.7	63.2	63.7	64.3	64.8	65.3	65.8	66.3
8.0	61.4	61.9	62.5	63.0	63.6	64.1	64.6	65.1	65.7	66.2	66.7
8.2	61.8	62.3	62.9	63.4	63.9	64.5	65.0	65.5	66.0	66.5	67.0
8.4	62.2	62.7	63.3	63.8	64.3	64.8	65.3	65.9	66.4	66.9	67.4
8.6	62.5	63.1	63.6	64.1	64.6	65.2	65.7	66.2	66.7	67.2	67.7
8.8	62.9	63.4	64.0	64.5	65.0	65.5	66.1	66.6	67.1	67.6	68.1
9.0	63.3	63.8	64.3	64.9	65.4	65.9	66.4	66.9	67.4	67.9	68.4
9.2	63.6	64.2	64.7	65.2	65.7	66.2	66.8	67.3	67.8	68.3	68.8
9.4	64.0	64.5	65.0	65.6	66.1	66.6	67.1	67.6	68.1	68.6	69.1
9.6	64.4	64.9	65.4	65.9	66.4	66.9	67.5	68.0	68.5	69.0	69.5
9.8	64.7	65.2	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.3	69.8
10.0	65.1	65.6	66.1	66.6	67.1	67.6	68.1	68.6	69.1	69.6	70.1
10.2	65.4	65.9	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5
10.4	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3	70.8
10.6	66.1	66.6	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7	71.2
10.8	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
11.0	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3	70.8	71.3	71.8
11.2	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7	71.2	71.7	72.2
11.4	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5
11.6	67.8	68.3	68.8	69.3	69.8	70.3	70.8	71.3	71.8	72.3	72.8
11.8	68.2	68.7	69.2	69.7	70.2	70.7	71.2	71.7	72.2	72.7	73.2
12.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5
12.2	68.9	69.4	69.9	70.4	70.9	71.4	71.9	72.4	72.9	73.4	73.9
12.4	69.2	69.7	70.2	70.7	71.2	71.7	72.2	72.7	73.2	73.7	74.2
12.6	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5
12.8	69.8	70.3	70.8	71.3	71.8	72.3	72.8	73.3	73.8	74.3	74.8
13.0	70.2	70.6	71.1	71.6	72.1	72.6	73.1	73.6	74.1	74.6	75.1
13.2	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5
13.4	70.8	71.3	71.8	72.3	72.8	73.3	73.8	74.3	74.8	75.3	75.8
13.6	71.1	71.6	72.1	72.6	73.1	73.6	74.1	74.6	75.1	75.6	76.1
13.8	71.4	71.9	72.4	72.9	73.4	73.9	74.4	74.9	75.4	75.9	76.4
14.0	71.7	72.2	72.7	73.2	73.7	74.2	74.7	75.2	75.7	76.2	76.7

TABLE A-1 CONTINUED

TEMP DEG C	10.00	10.01	10.02	10.03	10.04	PH 10.05	10.06	10.07	10.08	10.09	10.10
14.0	71.7	72.2	72.7	73.1	73.6	74.0	74.4	74.9	75.3	75.7	76.2
14.2	72.0	72.8	73.3	73.7	74.1	74.6	75.0	75.5	75.9	76.3	76.7
14.4	72.3	73.1	73.6	74.0	74.4	74.9	75.3	75.7	76.2	76.6	77.0
14.6	72.6	73.4	73.8	74.3	74.7	75.2	75.6	76.0	76.4	76.8	77.2
15.0	73.2	73.7	74.1	74.6	75.0	75.4	75.9	76.3	76.7	77.1	77.5
15.2	73.5	74.0	74.4	74.9	75.3	75.7	76.1	76.6	77.0	77.4	77.8
15.4	73.8	74.3	74.7	75.1	75.6	76.0	76.4	76.8	77.2	77.6	78.0
15.6	74.1	74.6	75.0	75.4	75.9	76.3	76.7	77.1	77.5	77.9	78.3
16.0	74.7	75.1	75.6	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8
16.2	75.0	75.4	75.8	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.0
16.4	75.3	75.7	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3
16.6	75.5	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.5
16.8	75.8	76.2	76.6	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.8
17.0	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.7	80.0
17.2	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.1	79.5	79.9	80.3
17.4	76.6	77.0	77.4	77.8	78.2	78.6	79.0	79.4	79.8	80.1	80.5
17.6	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.6	80.0	80.4	80.7
17.8	77.2	77.6	78.0	78.3	78.7	79.1	79.5	79.9	80.2	80.6	81.0
18.0	77.4	77.8	78.2	78.6	79.0	79.4	79.7	80.1	80.5	80.8	81.2
18.2	77.7	78.1	78.5	78.8	79.2	79.6	80.0	80.3	80.7	81.1	81.4
18.4	77.9	78.3	78.7	79.1	79.5	79.8	80.2	80.6	80.9	81.3	81.6
18.6	78.2	78.6	79.0	79.3	79.7	80.1	80.4	80.8	81.2	81.5	81.9
18.8	78.4	78.8	79.2	79.6	80.0	80.3	80.7	81.1	81.4	81.7	82.1
19.0	78.7	79.1	79.4	79.8	80.2	80.5	80.9	81.3	81.6	81.9	82.3
19.2	78.9	79.3	79.7	80.0	80.4	80.8	81.1	81.5	81.8	82.2	82.5
19.4	79.2	79.6	80.0	80.3	80.7	81.0	81.4	81.7	82.1	82.4	82.8
19.6	79.4	79.8	80.2	80.5	80.9	81.2	81.6	82.0	82.3	82.6	83.0
19.8	79.6	80.0	80.4	80.7	81.1	81.4	81.8	82.1	82.5	82.8	83.2
20.0	79.9	80.3	80.6	81.0	81.3	81.7	82.0	82.3	82.7	83.0	83.4
20.2	80.1	80.5	80.8	81.2	81.5	81.9	82.2	82.5	82.9	83.2	83.5
20.4	80.3	80.7	81.1	81.4	81.8	82.1	82.4	82.7	83.1	83.4	83.7
20.6	80.5	80.9	81.3	81.6	82.0	82.3	82.6	82.9	83.3	83.6	83.9
20.8	80.7	81.1	81.5	81.9	82.2	82.5	82.8	83.1	83.5	83.8	84.1
21.0	81.0	81.4	81.7	82.1	82.4	82.7	83.0	83.3	83.7	84.0	84.3

TABLE A-1 CONTINUED

TEMP DEG C	10.00	10.01	10.02	10.03	10.04	10.05 PH	10.06	10.07	10.08	10.09	10.10
21.0	81.0	81.4	81.7	82.1	82.4	82.7	83.1	83.4	83.7	84.0	84.3
21.2	81.3	81.6	81.9	82.3	82.6	82.9	83.3	83.6	83.9	84.2	84.5
21.4	81.5	81.8	82.2	82.5	82.8	83.1	83.5	83.8	84.1	84.4	84.7
21.6	81.7	82.0	82.4	82.7	83.0	83.3	83.7	84.0	84.3	84.6	84.9
21.8	81.9	82.2	82.6	82.9	83.2	83.5	83.9	84.2	84.5	84.8	85.1
22.0	82.1	82.5	82.8	83.1	83.4	83.7	84.1	84.4	84.7	85.0	85.3
22.2	82.3	82.7	83.0	83.3	83.6	83.9	84.3	84.6	84.9	85.2	85.5
22.4	82.5	82.9	83.2	83.5	83.8	84.1	84.5	84.8	85.1	85.4	85.7
22.6	82.7	83.1	83.4	83.7	84.0	84.3	84.7	85.0	85.3	85.6	85.9
22.8	82.9	83.3	83.6	83.9	84.2	84.5	84.9	85.2	85.5	85.8	86.1
23.0	83.1	83.5	83.8	84.1	84.4	84.7	85.1	85.4	85.7	86.0	86.3
23.2	83.3	83.7	84.0	84.3	84.6	84.9	85.3	85.6	85.9	86.2	86.5
23.4	83.5	83.9	84.2	84.5	84.8	85.1	85.5	85.8	86.1	86.4	86.7
23.6	83.7	84.1	84.4	84.7	85.0	85.3	85.7	86.0	86.3	86.6	86.9
23.8	83.9	84.3	84.6	84.9	85.2	85.5	85.9	86.2	86.5	86.8	87.1
24.0	84.1	84.5	84.8	85.1	85.4	85.7	86.1	86.4	86.7	87.0	87.3
24.2	84.3	84.7	85.0	85.3	85.6	85.9	86.3	86.6	86.9	87.2	87.5
24.4	84.5	84.9	85.2	85.5	85.8	86.1	86.5	86.8	87.1	87.4	87.7
24.6	84.7	85.1	85.4	85.7	86.0	86.3	86.7	87.0	87.3	87.6	87.9
24.8	84.9	85.3	85.6	85.9	86.2	86.5	86.9	87.2	87.5	87.8	88.1
25.0	85.1	85.5	85.8	86.1	86.4	86.7	87.1	87.4	87.7	88.0	88.3
25.2	85.3	85.7	86.0	86.3	86.6	86.9	87.3	87.6	87.9	88.2	88.5
25.4	85.5	85.9	86.2	86.5	86.8	87.1	87.5	87.8	88.1	88.4	88.7
25.6	85.7	86.1	86.4	86.7	87.0	87.3	87.7	88.0	88.3	88.6	88.9
25.8	85.9	86.3	86.6	86.9	87.2	87.5	87.9	88.2	88.5	88.8	89.1
26.0	86.1	86.5	86.8	87.1	87.4	87.7	88.1	88.4	88.7	89.0	89.3
26.2	86.3	86.7	87.0	87.3	87.6	87.9	88.3	88.6	88.9	89.2	89.5
26.4	86.5	86.9	87.2	87.5	87.8	88.1	88.5	88.8	89.1	89.4	89.7
26.6	86.7	87.1	87.4	87.7	88.0	88.3	88.7	89.0	89.3	89.6	89.9
26.8	86.9	87.3	87.6	87.9	88.2	88.5	88.9	89.2	89.5	89.8	90.1
27.0	87.1	87.5	87.8	88.1	88.4	88.7	89.1	89.4	89.7	90.0	90.3
27.2	87.3	87.7	88.0	88.3	88.6	88.9	89.3	89.6	89.9	90.2	90.5
27.4	87.5	87.9	88.2	88.5	88.8	89.1	89.5	89.8	90.1	90.4	90.7
27.6	87.7	88.1	88.4	88.7	89.0	89.3	89.7	90.0	90.3	90.6	90.9
27.8	87.9	88.3	88.6	88.9	89.2	89.5	89.9	90.2	90.5	90.8	91.1
28.0	88.1	88.5	88.8	89.1	89.4	89.7	90.1	90.4	90.7	91.0	91.3

TABLE A-1 CONTINUED

TEMP DEG C	10.00	10.01	10.02	10.03	10.04	PM 10.05	10.06	10.07	10.08	10.09	10.10
28.0	87.5	87.8	88.0	88.3	88.5	88.7	89.0	89.2	89.4	89.6	89.8
28.2	87.7	88.0	88.2	88.4	88.6	88.8	89.1	89.3	89.5	89.7	90.0
28.4	87.9	88.2	88.4	88.6	88.8	89.0	89.3	89.5	89.7	89.9	90.1
28.6	88.1	88.4	88.6	88.8	89.0	89.2	89.5	89.7	89.9	90.0	90.2
28.8	88.3	88.5	88.7	88.9	89.1	89.3	89.6	89.8	90.0	90.1	90.3
29.0	88.5	88.8	89.0	89.2	89.4	89.6	89.9	90.1	90.2	90.3	90.4
29.2	88.7	89.0	89.2	89.4	89.6	89.8	90.1	90.3	90.4	90.5	90.6
29.4	88.9	89.2	89.4	89.6	89.8	90.0	90.3	90.5	90.6	90.7	90.8
29.6	89.1	89.4	89.6	89.8	90.0	90.2	90.5	90.7	90.8	90.9	91.0
29.8	89.3	89.6	89.8	90.0	90.2	90.4	90.7	90.9	91.0	91.1	91.2
30.0	89.5	89.8	90.0	90.2	90.4	90.6	90.9	91.1	91.2	91.3	91.4
30.2	89.7	90.0	90.2	90.4	90.6	90.8	91.1	91.3	91.4	91.5	91.6
30.4	89.9	90.2	90.4	90.6	90.8	91.0	91.3	91.5	91.6	91.7	91.8
30.6	90.1	90.4	90.6	90.8	91.0	91.2	91.5	91.7	91.8	91.9	92.0
30.8	90.3	90.6	90.8	91.0	91.2	91.4	91.7	91.9	92.0	92.1	92.2
31.0	90.5	90.8	91.0	91.2	91.4	91.6	91.9	92.1	92.2	92.3	92.4
31.2	90.7	91.0	91.2	91.4	91.6	91.8	92.1	92.3	92.4	92.5	92.6
31.4	90.9	91.2	91.4	91.6	91.8	92.0	92.3	92.5	92.6	92.7	92.8
31.6	91.1	91.4	91.6	91.8	92.0	92.2	92.5	92.7	92.8	92.9	93.0
31.8	91.3	91.6	91.8	92.0	92.2	92.4	92.7	92.9	93.0	93.1	93.2
32.0	91.5	91.8	92.0	92.2	92.4	92.6	92.9	93.1	93.2	93.3	93.4
32.2	91.7	92.0	92.2	92.4	92.6	92.8	93.1	93.3	93.4	93.5	93.6
32.4	91.9	92.2	92.4	92.6	92.8	93.0	93.3	93.5	93.6	93.7	93.8
32.6	92.1	92.4	92.6	92.8	93.0	93.2	93.5	93.7	93.8	93.9	94.0
32.8	92.3	92.6	92.8	93.0	93.2	93.4	93.7	93.9	94.0	94.1	94.2
33.0	92.5	92.8	93.0	93.2	93.4	93.6	93.9	94.1	94.2	94.3	94.4
33.2	92.7	93.0	93.2	93.4	93.6	93.8	94.1	94.3	94.4	94.5	94.6
33.4	92.9	93.2	93.4	93.6	93.8	94.0	94.3	94.5	94.6	94.7	94.8
33.6	93.1	93.4	93.6	93.8	94.0	94.2	94.5	94.7	94.8	94.9	95.0
33.8	93.3	93.6	93.8	94.0	94.2	94.4	94.7	94.9	95.0	95.1	95.2
34.0	93.5	93.8	94.0	94.2	94.4	94.6	94.9	95.1	95.2	95.3	95.4
34.2	93.7	94.0	94.2	94.4	94.6	94.8	95.1	95.3	95.4	95.5	95.6
34.4	93.9	94.2	94.4	94.6	94.8	95.0	95.3	95.5	95.6	95.7	95.8
34.6	94.1	94.4	94.6	94.8	95.0	95.2	95.5	95.7	95.8	95.9	96.0
34.8	94.3	94.6	94.8	95.0	95.2	95.4	95.7	95.9	96.0	96.1	96.2
35.0	94.5	94.8	95.0	95.2	95.4	95.6	95.9	96.1	96.2	96.3	96.4

TABLE PAGE 305

TABLE A-1 CONTINUED

TABLE PAGE 306

TEMP DEG C	10.00	10.01	10.02	10.03	10.04	PH 10.05	10.06	10.07	10.08	10.09	10.10
35.0	91.9	92.0	92.3	92.4	92.5	92.7	92.8	93.0	93.1	93.3	93.4
35.2	91.9	92.1	92.3	92.4	92.5	92.7	92.8	93.0	93.1	93.3	93.4
35.4	92.0	92.2	92.4	92.5	92.6	92.7	92.8	93.0	93.1	93.3	93.4
35.6	92.1	92.3	92.5	92.6	92.7	92.8	92.9	93.1	93.2	93.4	93.5
35.8	92.2	92.4	92.6	92.7	92.8	92.9	93.0	93.2	93.3	93.5	93.6
36.0	92.3	92.5	92.7	92.8	92.9	93.0	93.1	93.3	93.4	93.6	93.7
36.2	92.4	92.6	92.8	92.9	93.0	93.1	93.2	93.4	93.5	93.7	93.8
36.4	92.5	92.7	92.9	93.0	93.1	93.2	93.3	93.5	93.6	93.8	93.9
36.6	92.6	92.8	93.0	93.1	93.2	93.3	93.4	93.6	93.7	93.9	94.0
36.8	92.7	92.9	93.1	93.2	93.3	93.4	93.5	93.7	93.8	94.0	94.1
37.0	92.8	93.0	93.2	93.3	93.4	93.5	93.6	93.8	93.9	94.1	94.2
37.2	92.9	93.1	93.3	93.4	93.5	93.6	93.7	93.9	94.0	94.2	94.3
37.4	93.0	93.2	93.4	93.5	93.6	93.7	93.8	94.0	94.1	94.3	94.4
37.6	93.1	93.3	93.5	93.6	93.7	93.8	93.9	94.1	94.2	94.4	94.5
37.8	93.2	93.4	93.6	93.7	93.8	93.9	94.0	94.2	94.3	94.5	94.6
38.0	93.3	93.5	93.7	93.8	93.9	94.0	94.1	94.3	94.4	94.6	94.7
38.2	93.4	93.6	93.8	93.9	94.0	94.1	94.2	94.4	94.5	94.7	94.8
38.4	93.5	93.7	93.9	94.0	94.1	94.2	94.3	94.5	94.6	94.8	94.9
38.6	93.6	93.8	94.0	94.1	94.2	94.3	94.4	94.6	94.7	94.9	95.0
38.8	93.7	93.9	94.1	94.2	94.3	94.4	94.5	94.7	94.8	95.0	95.1
39.0	93.8	94.0	94.2	94.3	94.4	94.5	94.6	94.8	94.9	95.1	95.2

TABLE A-1 CONTINUED

TEMP DEG C	10.10	10.11	10.12	10.13	10.14	PH 10.15	10.16	10.17	10.18	10.19	10.20
0	51.0	51.6	52.6	52.7	53.7	53.9	54.9	55.0	55.6	56.6	56.7
.2	51.4	52.0	52.9	53.3	54.3	54.3	55.3	55.8	56.4	57.4	57.1
.4	51.8	52.4	53.3	53.6	54.6	54.7	55.7	56.2	56.8	57.8	57.5
.6	52.2	52.8	53.7	54.0	55.0	55.1	56.1	56.6	57.2	58.2	58.0
1.0	53.1	53.7	54.2	54.8	55.4	55.0	56.5	57.1	57.6	58.2	58.8
1.2	53.5	54.1	54.7	55.2	55.8	56.4	56.9	57.5	58.1	58.6	59.2
1.4	53.9	54.5	55.1	55.6	56.2	56.8	57.3	57.9	58.5	59.0	59.6
1.6	54.3	54.9	55.5	56.0	56.6	57.2	57.7	58.3	58.9	59.4	60.0
1.8	54.7	55.3	55.9	56.4	57.0	57.6	58.1	58.7	59.3	59.8	60.4
2.0	55.2	55.7	56.3	56.8	57.4	58.0	58.5	59.1	59.7	60.2	60.8
2.2	55.6	56.1	56.7	57.2	57.8	58.4	58.9	59.5	60.1	60.6	61.2
2.4	56.0	56.5	57.1	57.6	58.2	58.8	59.3	59.9	60.5	61.0	61.6
2.6	56.4	56.9	57.5	58.0	58.6	59.2	59.7	60.3	60.9	61.4	62.0
2.8	56.8	57.3	57.9	58.4	59.0	59.6	60.1	60.7	61.3	61.8	62.4
3.0	57.2	57.7	58.3	58.8	59.4	60.0	60.5	61.1	61.7	62.2	62.8
3.2	57.6	58.1	58.7	59.2	59.8	60.4	60.9	61.5	62.1	62.6	63.2
3.4	58.0	58.5	59.1	59.6	60.2	60.8	61.3	61.9	62.5	63.0	63.6
3.6	58.4	58.9	59.5	60.0	60.6	61.2	61.7	62.3	62.9	63.4	64.0
3.8	58.8	59.3	59.9	60.4	61.0	61.6	62.1	62.7	63.3	63.8	64.4
4.0	59.2	59.7	60.3	60.8	61.4	62.0	62.5	63.1	63.7	64.2	64.8
4.2	59.6	60.1	60.7	61.2	61.8	62.4	62.9	63.5	64.1	64.6	65.2
4.4	60.0	60.5	61.1	61.6	62.2	62.8	63.3	63.9	64.5	65.0	65.6
4.6	60.4	60.9	61.5	62.0	62.6	63.2	63.7	64.3	64.9	65.4	66.0
4.8	60.8	61.3	61.9	62.4	63.0	63.6	64.1	64.7	65.3	65.8	66.4
5.0	61.1	61.7	62.2	62.8	63.3	63.9	64.4	65.0	65.5	66.1	66.7
5.2	61.5	62.1	62.6	63.2	63.7	64.3	64.8	65.4	65.9	66.5	67.1
5.4	61.9	62.5	63.0	63.6	64.1	64.7	65.2	65.8	66.3	66.9	67.5
5.6	62.3	62.9	63.4	64.0	64.5	65.1	65.6	66.2	66.7	67.3	67.9
5.8	62.7	63.3	63.8	64.4	64.9	65.5	66.0	66.6	67.1	67.7	68.3
6.0	63.1	63.7	64.2	64.8	65.3	65.9	66.4	67.0	67.5	68.1	68.7
6.2	63.5	64.1	64.6	65.2	65.7	66.3	66.8	67.4	67.9	68.5	69.1
6.4	63.9	64.5	65.0	65.6	66.1	66.7	67.2	67.8	68.3	68.9	69.5
6.6	64.3	64.9	65.4	66.0	66.5	67.1	67.6	68.2	68.7	69.3	69.9
6.8	64.7	65.3	65.8	66.4	66.9	67.5	68.0	68.6	69.1	69.7	70.3
7.0	65.1	65.7	66.2	66.8	67.3	67.9	68.4	69.0	69.5	70.1	70.7

TABLE A-1 CONTINUED

TEMP DEG C	10.10	10.11	10.12	10.13	10.14	PM 10.15	10.16	10.17	10.18	10.19	10.20
7.0	64.9	65.4	65.9	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0
7.2	65.3	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3
7.4	65.6	66.1	66.6	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.6
7.6	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0
7.8	66.3	66.9	67.4	67.9	68.4	68.9	69.4	69.8	70.3	70.8	71.3
8.0	66.7	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7	71.1	71.6
8.2	67.0	67.6	68.1	68.6	69.1	69.5	70.0	70.5	71.0	71.5	71.9
8.4	67.4	67.9	68.4	68.9	69.4	69.9	70.4	70.9	71.4	71.8	72.2
8.6	67.7	68.2	68.7	69.2	69.7	70.2	70.7	71.2	71.7	72.1	72.6
8.8	68.1	68.6	69.1	69.6	70.1	70.5	71.0	71.5	72.0	72.4	72.9
9.0	68.4	68.9	69.4	69.9	70.4	70.9	71.4	71.8	72.3	72.7	73.2
9.2	68.8	69.3	69.8	70.2	70.7	71.2	71.7	72.1	72.6	73.0	73.5
9.4	69.1	69.6	70.1	70.6	71.1	71.6	72.1	72.5	73.0	73.4	73.8
9.6	69.4	69.9	70.4	70.9	71.4	71.9	72.4	72.8	73.3	73.7	74.1
9.8	69.8	70.3	70.8	71.3	71.8	72.3	72.8	73.2	73.7	74.1	74.4
10.0	70.1	70.6	71.1	71.5	72.0	72.5	73.0	73.4	73.8	74.3	74.7
10.2	70.4	70.9	71.4	71.9	72.4	72.9	73.4	73.8	74.3	74.7	75.0
10.4	70.8	71.3	71.8	72.3	72.8	73.3	73.8	74.3	74.7	75.1	75.3
10.6	71.1	71.6	72.1	72.6	73.1	73.6	74.1	74.6	75.0	75.4	75.6
10.8	71.4	71.9	72.4	72.9	73.4	73.9	74.4	74.9	75.3	75.7	76.1
11.0	71.7	72.2	72.7	73.2	73.7	74.2	74.7	75.2	75.6	76.0	76.4
11.2	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	75.9	76.3	76.7
11.4	72.3	72.8	73.3	73.8	74.3	74.8	75.3	75.8	76.2	76.6	77.0
11.6	72.7	73.2	73.7	74.2	74.7	75.2	75.7	76.2	76.6	77.0	77.3
11.8	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	76.9	77.3	77.5
12.0	73.3	73.8	74.3	74.8	75.3	75.8	76.3	76.8	77.2	77.6	77.8
12.2	73.6	74.1	74.6	75.1	75.6	76.1	76.6	77.1	77.5	77.9	78.1
12.4	73.9	74.4	74.9	75.4	75.9	76.4	76.9	77.4	77.8	78.2	78.3
12.6	74.2	74.7	75.2	75.7	76.2	76.7	77.2	77.7	78.1	78.5	78.6
12.8	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.4	78.8	78.8
13.0	74.7	75.2	75.7	76.2	76.7	77.2	77.7	78.2	78.6	79.0	79.1
13.2	75.0	75.5	76.0	76.5	77.0	77.5	78.0	78.5	78.9	79.3	79.3
13.4	75.3	75.8	76.3	76.8	77.3	77.8	78.3	78.8	79.2	79.6	79.6
13.6	75.6	76.1	76.6	77.1	77.6	78.1	78.6	79.1	79.5	79.9	80.0
14.0	76.2	76.7	77.2	77.7	78.2	78.7	79.2	79.7	80.0	80.0	80.1

TABLE A-1 CONTINUED

TEMP DEG C	10.10	10.11	10.12	10.13	10.14	PH 10.15	10.16	10.17	10.18	10.19	10.20
14.0	76.2	76.6	77.0	77.4	77.8	78.2	78.6	79.0	79.3	79.7	80.1
14.4	76.4	76.8	77.3	77.7	78.1	78.5	78.9	79.3	79.6	80.0	80.3
14.6	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.8	80.2	80.6
14.8	77.0	77.4	77.8	78.2	78.6	79.0	79.4	79.7	80.1	80.4	80.8
15.0	77.2	77.6	78.0	78.4	78.8	79.2	79.6	80.0	80.3	80.7	81.1
15.2	77.5	77.9	78.3	78.7	79.1	79.5	79.9	80.2	80.6	81.0	81.3
15.4	77.8	78.2	78.6	79.0	79.4	79.8	80.2	80.4	80.8	81.2	81.5
15.6	78.0	78.4	78.8	79.2	79.6	80.0	80.4	80.7	81.1	81.4	81.7
15.8	78.3	78.7	79.1	79.5	79.9	80.3	80.7	81.0	81.3	81.6	81.9
16.0	78.5	78.9	79.3	79.7	80.1	80.5	80.9	81.2	81.5	81.8	82.2
16.2	78.8	79.2	79.6	80.0	80.4	80.8	81.2	81.4	81.7	82.1	82.4
16.4	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.6	81.9	82.3	82.6
16.6	79.3	79.7	80.1	80.5	80.9	81.3	81.7	82.0	82.3	82.7	83.0
16.8	79.5	79.9	80.3	80.7	81.1	81.5	81.9	82.2	82.5	82.9	83.3
17.0	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.7	83.0	83.4	83.7
17.2	80.3	80.7	81.1	81.5	81.9	82.3	82.7	83.0	83.3	83.7	84.0
17.4	80.5	80.9	81.3	81.7	82.1	82.5	82.9	83.2	83.5	83.9	84.2
17.6	80.7	81.1	81.5	81.9	82.3	82.7	83.1	83.4	83.7	84.1	84.4
17.8	81.0	81.4	81.8	82.2	82.6	83.0	83.4	83.7	84.0	84.4	84.7
18.0	81.2	81.6	82.0	82.4	82.8	83.2	83.6	83.9	84.2	84.6	84.9
18.2	81.4	81.8	82.2	82.6	83.0	83.4	83.8	84.1	84.4	84.8	85.1
18.4	81.6	82.0	82.4	82.8	83.2	83.6	84.0	84.3	84.6	85.0	85.3
18.6	81.9	82.3	82.7	83.1	83.5	83.9	84.3	84.6	84.9	85.3	85.6
19.0	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.0	85.3	85.7	86.0
19.2	82.5	82.9	83.3	83.7	84.1	84.5	84.9	85.2	85.5	85.9	86.2
19.4	82.7	83.1	83.5	83.9	84.3	84.7	85.1	85.4	85.7	86.1	86.4
19.6	83.0	83.4	83.8	84.2	84.6	85.0	85.4	85.7	86.0	86.4	86.7
19.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	85.9	86.2	86.6	86.9
20.0	83.5	83.9	84.3	84.7	85.1	85.5	85.9	86.2	86.5	86.9	87.2
20.2	83.7	84.1	84.5	84.9	85.3	85.7	86.1	86.4	86.7	87.1	87.4
20.4	84.0	84.4	84.8	85.2	85.6	86.0	86.4	86.7	87.0	87.4	87.7
20.6	84.2	84.6	85.0	85.4	85.8	86.2	86.6	86.9	87.2	87.6	87.9
20.8	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.1	87.4	87.8	88.1
21.0	84.6	85.0	85.4	85.8	86.2	86.6	87.0	87.3	87.6	88.0	88.3

TABLE A-1 CONTINUED

TABLE PAGE 310

TEMP DEG C	10.10	10.11	10.12	10.13	10.14	10.15 pH	10.16	10.17	10.18	10.19	10.20
21.0	84.3	84.6	84.9	85.2	85.5	85.8	86.1	86.3	86.6	86.9	87.1
21.2	84.5	84.8	85.1	85.4	85.7	86.0	86.2	86.5	86.8	87.0	87.3
21.4	84.7	85.0	85.3	85.6	85.9	86.1	86.4	86.7	87.0	87.2	87.5
21.6	84.9	85.2	85.5	85.9	86.2	86.5	86.6	86.8	87.1	87.4	87.6
21.8	85.1	85.4	85.6	86.1	86.4	86.6	86.7	87.0	87.3	87.5	87.8
22.0	85.3	85.5	85.6	86.1	86.4	86.6	86.7	87.0	87.3	87.5	87.9
22.2	85.4	85.7	86.0	86.3	86.5	86.8	87.1	87.3	87.6	87.8	88.1
22.4	85.6	85.9	86.2	86.6	86.9	87.0	87.2	87.5	87.7	88.0	88.2
22.6	85.8	86.1	86.3	86.6	86.9	87.1	87.4	87.6	87.9	88.1	88.4
22.8	86.0	86.2	86.5	86.8	87.0	87.3	87.5	87.8	88.0	88.3	88.5
23.0	86.1	86.4	86.7	86.9	87.2	87.5	87.7	87.9	88.2	88.4	88.7
23.2	86.3	86.6	86.8	87.1	87.4	87.6	87.9	88.1	88.3	88.6	88.8
23.4	86.5	86.9	87.0	87.4	87.7	87.9	88.2	88.4	88.6	88.9	89.1
23.6	86.6	87.1	87.3	87.6	87.8	88.1	88.3	88.5	88.8	89.0	89.2
23.8	86.8	87.2	87.5	87.7	88.0	88.2	88.5	88.7	88.9	89.1	89.4
24.0	87.0	87.4	87.7	87.9	88.1	88.4	88.6	88.8	89.1	89.3	89.5
24.2	87.1	87.5	87.8	88.0	88.3	88.5	88.7	88.9	89.2	89.4	89.6
24.4	87.3	87.7	87.9	88.2	88.4	88.6	88.9	89.0	89.3	89.5	89.8
24.6	87.4	87.8	88.1	88.3	88.6	88.8	89.0	89.2	89.5	89.7	89.9
24.8	87.6	88.0	88.2	88.5	88.7	88.9	89.2	89.4	89.6	89.8	90.0
25.0	87.7	88.1	88.4	88.6	88.8	89.0	89.2	89.4	89.6	89.8	90.0
25.2	87.9	88.3	88.5	88.8	89.0	89.1	89.3	89.5	89.7	89.9	90.1
25.4	88.0	88.4	88.6	88.9	89.1	89.3	89.4	89.6	89.9	90.1	90.3
25.6	88.2	88.6	88.7	89.0	89.2	89.3	89.5	89.7	90.0	90.2	90.4
25.8	88.3	88.7	88.9	89.2	89.4	89.5	89.7	89.9	90.1	90.3	90.5
26.0	88.5	88.9	89.0	89.3	89.5	89.6	89.8	90.0	90.2	90.4	90.6
26.2	88.6	89.0	89.1	89.4	89.6	89.7	89.9	90.2	90.4	90.6	90.7
26.4	88.8	89.2	89.3	89.6	89.8	89.9	90.1	90.3	90.5	90.7	90.9
26.6	88.9	89.3	89.4	89.7	89.9	90.0	90.2	90.4	90.6	90.8	91.0
26.8	89.0	89.4	89.5	89.8	90.0	90.1	90.3	90.5	90.7	90.9	91.1
27.0	89.2	89.5	89.6	89.9	90.0	90.2	90.4	90.6	90.8	91.0	91.2
27.2	89.3	89.7	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.3
27.4	89.4	89.8	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.4
27.6	89.6	89.9	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.5
27.8	89.7	90.0	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.6
28.0	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.7

TEMP DEG C	10.10	10.11	10.12	10.13	10.14	PH 10.15	10.16	10.17	10.18	10.19	10.20
28.0	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.7
28.2	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	91.9
28.4	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.0
28.6	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.1
28.8	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.2
29.0	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.1	92.3
29.2	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.1	92.3	92.4
29.4	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.2	92.4	92.5
29.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.3	92.5	92.6
29.8	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.4	92.6	92.7
30.0	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.5	92.7	
30.2	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.6	92.8	8.9
30.4	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.7	92.9	9.0
30.6	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.8	93.0	1.2
30.8	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	92.9	93.1	
31.0	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.0	93.2	3.3
31.2	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.1	93.3	3.4
31.4	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.2	93.4	3.5
31.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.3	93.5	3.6
31.8	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.4	93.6	
32.0	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.5	93.7	7.8
32.2	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.6	93.8	8.0
32.4	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.7	93.9	
32.6	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.8	94.0	1.1
32.8	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	93.9	94.1	1.2
33.0	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.0	94.2	2.3
33.2	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.1	94.3	3.4
33.4	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.2	94.4	
33.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.3	94.5	4.5
33.8	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.4	94.6	5.6
34.0	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.5	94.7	

TABLE PAGE 312

TABLE A-1 CONTINUED

TEMP DEG C	10.10	10.11	10.12	10.13	10.14	PH 10.15	10.16	10.17	10.18	10.19	10.20
35.0	93.4	93.6	93.7	93.8	94.0	94.1	94.2	94.3	94.5	94.6	94.7
35.2	93.5	93.7	93.8	93.9	94.1	94.2	94.4	94.5	94.6	94.7	94.8
35.4	93.6	93.8	93.9	94.1	94.2	94.3	94.5	94.5	94.7	94.8	94.9
35.6	93.7	93.9	94.0	94.2	94.3	94.4	94.6	94.7	94.8	94.9	95.0
35.8	93.8	93.9	94.1	94.2	94.3	94.4	94.6	94.7	94.8	94.9	95.0
36.0	93.8	93.9	94.1	94.2	94.3	94.4	94.6	94.7	94.8	94.9	95.0
36.2	93.9	94.0	94.2	94.3	94.4	94.5	94.7	94.8	94.9	95.0	95.1
36.4	94.0	94.1	94.3	94.4	94.5	94.6	94.8	94.9	95.0	95.1	95.2
36.6	94.1	94.2	94.4	94.5	94.6	94.7	94.9	95.0	95.1	95.2	95.3
36.8	94.2	94.3	94.5	94.6	94.7	94.8	95.0	95.1	95.2	95.3	95.4
37.0	94.2	94.3	94.5	94.6	94.7	94.8	95.0	95.1	95.2	95.3	95.4
37.2	94.3	94.4	94.6	94.7	94.8	94.9	95.1	95.2	95.3	95.4	95.5
37.4	94.4	94.5	94.7	94.8	94.9	95.0	95.2	95.3	95.4	95.5	95.6
37.6	94.5	94.6	94.8	94.9	95.0	95.1	95.3	95.4	95.5	95.6	95.7
37.8	94.5	94.6	94.8	94.9	95.0	95.1	95.3	95.4	95.5	95.6	95.7
38.0	94.6	94.7	94.9	95.0	95.1	95.2	95.4	95.5	95.6	95.7	95.8
38.2	94.7	94.8	95.0	95.1	95.2	95.3	95.5	95.6	95.7	95.8	95.9
38.4	94.8	94.9	95.1	95.2	95.3	95.4	95.6	95.7	95.8	95.9	96.0
38.6	94.9	95.0	95.2	95.3	95.4	95.5	95.7	95.8	95.9	96.0	96.1
38.8	95.0	95.1	95.3	95.4	95.5	95.6	95.8	95.9	96.0	96.1	96.2
39.0	95.1	95.2	95.4	95.5	95.6	95.7	95.9	96.0	96.1	96.2	96.3
39.2	95.2	95.3	95.5	95.6	95.7	95.8	96.0	96.1	96.2	96.3	96.4
39.4	95.3	95.4	95.6	95.7	95.8	95.9	96.1	96.2	96.3	96.4	96.5
39.6	95.4	95.5	95.7	95.8	95.9	96.0	96.2	96.3	96.4	96.5	96.6
39.8	95.5	95.6	95.8	95.9	96.0	96.1	96.3	96.4	96.5	96.6	96.7
40.0	95.6	95.7	95.9	96.0	96.1	96.2	96.4	96.5	96.6	96.7	96.8

TABLE PAGE 313

TABLE A-1 CONTINUED

TEMP DEG C	10.20	10.21	10.22	10.23	10.24	10.25 PH	10.26	10.27	10.28	10.29	10.30
0	56.7	57.3	57.8	58.4	59.0	59.5	60.1	60.6	61.2	61.7	62.3
.2	57.1	57.7	58.3	58.8	59.4	59.9	60.5	61.0	61.6	62.1	62.7
.4	57.5	58.1	58.7	59.2	59.8	60.3	60.9	61.4	62.0	62.5	63.0
.6	58.0	58.5	59.1	59.6	60.2	60.7	61.3	61.8	62.4	62.9	63.4
.8	58.4	58.9	59.5	60.0	60.6	61.1	61.7	62.2	62.8	63.3	63.8
1.0	58.8	59.3	59.9	60.4	61.0	61.5	62.1	62.6	63.1	63.7	64.2
1.2	59.2	59.7	60.3	60.8	61.4	61.9	62.5	63.0	63.5	64.1	64.6
1.4	59.6	60.1	60.7	61.2	61.8	62.3	62.9	63.4	63.9	64.4	65.0
1.6	60.0	60.5	61.1	61.6	62.2	62.7	63.3	63.8	64.3	64.8	65.4
1.8	60.4	60.9	61.5	62.0	62.6	63.1	63.6	64.2	64.7	65.2	65.7
2.0	60.8	61.3	61.9	62.4	62.9	63.5	64.0	64.5	65.1	65.6	66.1
2.2	61.2	61.7	62.3	62.8	63.3	63.9	64.4	64.9	65.4	66.0	66.5
2.4	61.6	62.1	62.7	63.2	63.7	64.3	64.8	65.3	65.8	66.3	66.8
2.6	61.9	62.4	63.0	63.5	64.0	64.6	65.1	65.6	66.1	66.6	67.1
2.8	62.3	62.8	63.4	63.9	64.4	65.0	65.5	66.0	66.5	67.0	67.5
3.0	62.7	63.2	63.8	64.3	64.8	65.4	65.9	66.4	66.9	67.4	67.9
3.2	63.1	63.6	64.2	64.7	65.2	65.7	66.2	66.7	67.2	67.7	68.2
3.4	63.5	64.0	64.6	65.1	65.6	66.1	66.6	67.1	67.6	68.1	68.6
3.6	63.9	64.4	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0
3.8	64.2	64.8	65.3	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.3
4.0	64.6	65.1	65.7	66.2	66.7	67.2	67.7	68.2	68.7	69.2	69.7
4.2	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0
4.4	65.4	65.9	66.4	66.9	67.4	67.9	68.4	68.9	69.4	69.9	70.4
4.6	65.7	66.2	66.7	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7
4.8	66.1	66.6	67.1	67.6	68.1	68.6	69.1	69.6	70.1	70.6	71.1
5.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.4
5.2	66.9	67.4	67.9	68.4	68.9	69.4	69.9	70.4	70.9	71.4	71.8
5.4	67.3	67.8	68.3	68.8	69.3	69.8	70.3	70.8	71.3	71.8	72.2
5.6	67.7	68.2	68.7	69.2	69.7	70.2	70.7	71.2	71.7	72.2	72.6
5.8	68.1	68.6	69.1	69.6	70.1	70.6	71.1	71.6	72.1	72.6	73.0
6.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.4
6.2	68.9	69.4	69.9	70.4	70.9	71.4	71.9	72.4	72.9	73.4	73.8
6.4	69.3	69.8	70.3	70.8	71.3	71.8	72.3	72.8	73.3	73.8	74.2
6.6	69.7	70.2	70.7	71.2	71.7	72.2	72.7	73.2	73.7	74.2	74.6
6.8	70.1	70.6	71.1	71.6	72.1	72.6	73.1	73.6	74.1	74.6	75.0
7.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.4

TABLE A-1 CONTINUED

TEMP DEG C	10.20	10.21	10.22	10.23	10.24	PH 10.25	10.26	10.27	10.28	10.29	10.30
7.0	70.0	70.4	70.9	71.4	71.9	72.3	72.8	73.2	73.7	74.1	74.6
7.2	70.3	70.8	71.2	71.7	72.2	72.6	73.1	73.5	74.0	74.4	74.9
7.4	70.6	71.1	71.6	72.0	72.5	73.0	73.4	73.9	74.3	74.7	75.2
7.6	71.0	71.4	71.9	72.4	72.8	73.3	73.7	74.2	74.6	75.0	75.5
7.8	71.3	71.7	72.2	72.7	73.1	73.6	74.0	74.5	74.9	75.3	75.8
8.0	71.6	72.1	72.5	73.0	73.4	73.9	74.3	74.8	75.2	75.6	76.0
8.2	71.9	72.4	72.8	73.3	73.7	74.2	74.6	75.1	75.5	75.9	76.3
8.4	72.2	72.7	73.1	73.6	74.0	74.5	74.9	75.4	75.8	76.2	76.6
8.6	72.6	73.0	73.5	73.9	74.4	74.8	75.2	75.7	76.1	76.5	76.9
8.8	72.9	73.3	73.8	74.2	74.7	75.1	75.5	76.0	76.4	76.8	77.2
9.0	73.2	73.6	74.1	74.5	75.0	75.4	75.8	76.2	76.6	77.1	77.5
9.2	73.5	73.9	74.4	74.8	75.3	75.7	76.1	76.5	76.9	77.3	77.7
9.4	73.8	74.2	74.7	75.1	75.6	76.0	76.4	76.8	77.2	77.6	78.0
9.6	74.1	74.5	75.0	75.4	75.9	76.3	76.7	77.1	77.5	77.9	78.3
9.8	74.4	74.8	75.3	75.7	76.2	76.6	77.0	77.4	77.8	78.2	78.6
10.0	74.7	75.1	75.6	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8
10.2	75.0	75.4	75.9	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1
10.4	75.3	75.7	76.2	76.6	77.0	77.4	77.8	78.2	78.6	79.0	79.4
10.6	75.6	76.0	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.7
10.8	75.9	76.3	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6	80.0
11.0	76.1	76.6	77.0	77.4	77.8	78.2	78.6	79.0	79.4	79.8	80.2
11.2	76.4	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.7	80.1	80.5
11.4	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.9	80.3	80.7
11.6	77.0	77.4	77.8	78.2	78.6	79.0	79.4	79.8	80.2	80.6	81.0
11.8	77.3	77.7	78.1	78.5	78.9	79.3	79.7	80.1	80.5	80.9	81.3
12.0	77.5	77.9	78.3	78.7	79.1	79.5	79.9	80.3	80.7	81.1	81.5
12.2	77.8	78.2	78.6	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.8
12.4	78.1	78.5	78.9	79.3	79.7	80.1	80.5	80.9	81.3	81.7	82.1
12.6	78.3	78.7	79.1	79.5	79.9	80.3	80.7	81.1	81.5	81.9	82.3
12.8	78.6	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.8	82.2	82.6
13.0	78.8	79.2	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.8
13.2	79.1	79.5	79.9	80.3	80.7	81.1	81.5	81.9	82.3	82.7	83.1
13.4	79.3	79.7	80.1	80.5	80.9	81.3	81.7	82.1	82.5	82.9	83.3
13.6	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.6
13.8	79.8	80.2	80.6	81.0	81.4	81.8	82.2	82.6	83.0	83.4	83.8
14.0	80.1	80.5	80.9	81.3	81.7	82.1	82.5	82.9	83.3	83.7	84.1

TABLE A-1 CONTINUED

TABLE PAGE 315

TEMP DEG C	10.20	10.21	10.22	10.23	10.24	10.25 PH	10.26	10.27	10.28	10.29	10.30
14.0	80.1	80.5	80.9	81.3	81.7	82.1	82.5	82.9	83.3	83.7	84.1
14.2	80.3	80.7	81.1	81.5	81.9	82.3	82.7	83.1	83.5	83.9	84.3
14.4	80.6	81.0	81.4	81.8	82.2	82.6	83.0	83.4	83.8	84.2	84.6
14.6	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.6	84.0	84.4	84.8
14.8	81.0	81.4	81.8	82.2	82.6	83.0	83.4	83.8	84.2	84.6	85.0
15.0	81.3	81.7	82.1	82.5	82.9	83.3	83.7	84.1	84.5	84.9	85.3
15.2	81.5	81.9	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.1	85.5
15.4	81.7	82.1	82.5	82.9	83.3	83.7	84.1	84.5	84.9	85.3	85.7
15.6	82.0	82.4	82.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0
15.8	82.2	82.6	83.0	83.4	83.8	84.2	84.6	85.0	85.4	85.8	86.2
16.0	82.4	82.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.4
16.2	82.6	83.0	83.4	83.8	84.2	84.6	85.0	85.4	85.8	86.2	86.6
16.4	82.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.4	86.8
16.6	83.0	83.4	83.8	84.2	84.6	85.0	85.4	85.8	86.2	86.6	87.0
16.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2
17.0	83.4	83.8	84.2	84.6	85.0	85.4	85.8	86.2	86.6	87.0	87.4
17.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2	87.6
17.4	83.8	84.2	84.6	85.0	85.4	85.8	86.2	86.6	87.0	87.4	87.8
17.6	84.0	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0
17.8	84.2	84.6	85.0	85.4	85.8	86.2	86.6	87.0	87.4	87.8	88.2
18.0	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0	88.4
18.2	84.6	85.0	85.4	85.8	86.2	86.6	87.0	87.4	87.8	88.2	88.6
18.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0	88.4	88.8
18.6	85.0	85.4	85.8	86.2	86.6	87.0	87.4	87.8	88.2	88.6	89.0
18.8	85.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0	88.4	88.8	89.2
19.0	85.4	85.8	86.2	86.6	87.0	87.4	87.8	88.2	88.6	89.0	89.4
19.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0	88.4	88.8	89.2	89.6
19.4	85.8	86.2	86.6	87.0	87.4	87.8	88.2	88.6	89.0	89.4	89.8
19.6	86.0	86.4	86.8	87.2	87.6	88.0	88.4	88.8	89.2	89.6	90.0
19.8	86.2	86.6	87.0	87.4	87.8	88.2	88.6	89.0	89.4	89.8	90.2
20.0	86.4	86.8	87.2	87.6	88.0	88.4	88.8	89.2	89.6	90.0	90.4
20.2	86.6	87.0	87.4	87.8	88.2	88.6	89.0	89.4	89.8	90.2	90.6
20.4	86.8	87.2	87.6	88.0	88.4	88.8	89.2	89.6	90.0	90.4	90.8
20.6	87.0	87.4	87.8	88.2	88.6	89.0	89.4	89.8	90.2	90.6	91.0
20.8	87.2	87.6	88.0	88.4	88.8	89.2	89.6	90.0	90.4	90.8	91.2
21.0	87.4	87.8	88.2	88.6	89.0	89.4	89.8	90.2	90.6	91.0	91.4

TABLE A-1 CONTINUED

TABLE PAGE 316

TEMP DEG C	10.20	10.21	10.22	10.23	10.24	PH 10.25	10.26	10.27	10.28	10.29	10.30
21.0	87.1	87.4	87.6	87.9	88.1	88.4	88.6	88.0	89.1	89.3	89.5
21.2	87.3	87.5	87.8	88.0	88.3	88.5	88.7	89.0	89.2	89.4	89.6
21.4	87.5	87.7	87.9	88.2	88.4	88.7	88.9	89.1	89.3	89.6	89.8
21.6	87.6	87.9	88.1	88.3	88.6	88.8	89.0	89.3	89.5	89.7	89.9
21.8	87.8	88.0	88.3	88.5	88.7	88.9	89.2	89.4	89.6	89.8	90.0
22.0	87.9	88.2	88.4	88.6	88.9	89.1	89.3	89.5	89.7	90.0	90.2
22.2	88.1	88.3	88.5	88.8	89.0	89.2	89.4	89.7	89.9	90.1	90.3
22.4	88.2	88.5	88.7	88.9	89.1	89.3	89.5	89.8	90.0	90.2	90.4
22.6	88.4	88.6	88.8	89.1	89.3	89.5	89.7	89.9	90.1	90.3	90.5
22.8	88.5	88.7	88.9	89.2	89.4	89.6	89.8	90.1	90.3	90.5	90.7
23.0	88.7	88.9	89.1	89.3	89.5	89.7	89.9	90.2	90.4	90.6	90.8
23.2	88.8	89.0	89.2	89.4	89.6	89.8	90.0	90.3	90.5	90.7	90.9
23.4	88.9	89.1	89.3	89.5	89.7	89.9	90.1	90.4	90.6	90.8	91.0
23.6	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.5	90.7	90.9	91.1
23.8	89.1	89.3	89.5	89.7	89.9	90.1	90.3	90.6	90.8	91.0	91.2
24.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.7	90.9	91.1	91.3
24.2	89.3	89.5	89.7	89.9	90.1	90.3	90.5	90.8	91.0	91.2	91.4
24.4	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.9	91.1	91.3	91.5
24.6	89.5	89.7	89.9	90.1	90.3	90.5	90.7	91.0	91.2	91.4	91.6
24.8	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.1	91.3	91.5	91.7
25.0	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.2	91.4	91.6	91.8
25.2	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.3	91.5	91.7	91.9
25.4	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.4	91.6	91.8	92.0
25.6	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.5	91.7	91.9	92.1
25.8	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.6	91.8	92.0	92.2
26.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.7	91.9	92.1	92.3
26.2	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.8	92.0	92.2	92.4
26.4	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.9	92.1	92.3	92.5
26.6	90.5	90.7	90.9	91.1	91.3	91.5	91.7	92.0	92.2	92.4	92.6
26.8	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.1	92.3	92.5	92.7
27.0	90.7	90.9	91.1	91.3	91.5	91.7	92.0	92.2	92.4	92.6	92.8
27.2	90.8	91.0	91.2	91.4	91.6	91.8	92.1	92.3	92.5	92.7	92.9
27.4	90.9	91.1	91.3	91.5	91.7	91.9	92.2	92.4	92.6	92.8	93.0
27.6	91.0	91.2	91.4	91.6	91.8	92.0	92.3	92.5	92.7	92.9	93.1
27.8	91.1	91.3	91.5	91.7	91.9	92.1	92.4	92.6	92.8	93.0	93.2
28.0	91.2	91.4	91.6	91.8	92.0	92.2	92.5	92.7	92.9	93.1	93.3

TABLE A-1 CONTINUED

TEMP
DEG C

	10.20	10.21	10.22	10.23	10.24	PH 10.25	10.26	10.27	10.28	10.29	10.30
28.0	91.7	91.9	92.1	92.3	92.4	92.6	92.7	92.9	93.0	93.2	93.3
28.2	91.9	92.0	92.2	92.4	92.5	92.7	92.8	93.0	93.1	93.3	93.4
28.4	92.0	92.1	92.3	92.5	92.6	92.8	92.9	93.1	93.2	93.4	93.5
28.6	92.1	92.2	92.4	92.6	92.7	92.9	93.0	93.2	93.3	93.5	93.6
28.8	92.2	92.3	92.5	92.7	92.8	93.0	93.1	93.3	93.4	93.6	93.7
29.0	92.3	92.4	92.6	92.7	92.9	93.0	93.2	93.3	93.5	93.6	93.8
29.2	92.4	92.5	92.7	92.8	93.0	93.1	93.3	93.4	93.6	93.7	93.8
29.4	92.5	92.6	92.8	92.9	93.1	93.2	93.4	93.5	93.6	93.8	93.9
29.6	92.5	92.7	92.9	93.0	93.2	93.3	93.4	93.6	93.7	93.9	94.0
29.8	92.6	92.8	93.0	93.1	93.3	93.4	93.5	93.7	93.8	94.0	94.1
30.0	92.7	92.9	93.1	93.2	93.4	93.5	93.6	93.8	93.9	94.1	94.2
30.2	92.8	93.0	93.2	93.3	93.5	93.6	93.7	93.9	94.0	94.2	94.3
30.4	92.9	93.1	93.3	93.4	93.6	93.7	93.8	94.0	94.1	94.3	94.4
30.6	93.0	93.2	93.4	93.5	93.7	93.8	93.9	94.1	94.2	94.4	94.5
30.8	93.1	93.3	93.5	93.6	93.8	93.9	94.0	94.2	94.3	94.5	94.6
31.0	93.2	93.4	93.6	93.7	93.9	94.0	94.1	94.3	94.4	94.6	94.7
31.2	93.3	93.5	93.7	93.8	94.0	94.1	94.2	94.4	94.5	94.7	94.8
31.4	93.4	93.6	93.8	93.9	94.1	94.2	94.3	94.5	94.6	94.8	94.9
31.6	93.5	93.7	93.9	94.0	94.2	94.3	94.4	94.6	94.7	94.9	95.0
31.8	93.6	93.8	94.0	94.1	94.3	94.4	94.5	94.7	94.8	95.0	95.1
32.0	93.7	93.9	94.1	94.2	94.4	94.5	94.6	94.8	94.9	95.1	95.2
32.2	93.8	94.0	94.2	94.3	94.5	94.6	94.7	94.9	95.0	95.2	95.3
32.4	93.9	94.1	94.3	94.4	94.6	94.7	94.8	95.0	95.1	95.3	95.4
32.6	94.0	94.2	94.4	94.5	94.7	94.8	94.9	95.1	95.2	95.4	95.5
32.8	94.1	94.3	94.5	94.6	94.8	94.9	95.0	95.2	95.3	95.5	95.6
33.0	94.2	94.4	94.6	94.7	94.9	95.0	95.1	95.3	95.4	95.6	95.7
33.2	94.3	94.5	94.7	94.8	95.0	95.1	95.2	95.4	95.5	95.7	95.8
33.4	94.4	94.6	94.8	94.9	95.1	95.2	95.3	95.5	95.6	95.8	95.9
33.6	94.5	94.7	94.9	95.0	95.2	95.3	95.4	95.6	95.7	95.9	96.0
33.8	94.6	94.8	95.0	95.1	95.3	95.4	95.5	95.7	95.8	96.0	96.1
34.0	94.7	94.9	95.1	95.2	95.4	95.5	95.6	95.8	95.9	96.1	96.2

TABLE A-1 CONTINUED

TEMP DEG C	10.20	10.21	10.22	10.23	10.24	PH 10.25	10.26	10.27	10.28	10.29	10.30
35.0	94.7	94.8	94.9	95.0	95.1	95.2	95.4	95.5	95.6	95.6	95.7
35.2	94.8	94.9	95.0	95.1	95.2	95.3	95.5	95.6	95.7	95.8	95.8
35.4	94.8	94.9	95.0	95.1	95.2	95.3	95.5	95.6	95.7	95.8	95.9
35.6	94.9	95.0	95.1	95.2	95.3	95.4	95.6	95.7	95.8	95.9	96.0
35.8	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0
36.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1
36.2	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1
36.4	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2
36.6	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3
36.8	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3
37.0	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3
37.2	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4
37.4	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4
37.6	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5
37.8	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5
38.0	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6
38.2	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7
38.4	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7
38.6	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8
38.8	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8
39.0	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9
39.2	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9
39.4	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0
39.6	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0
39.8	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1
40.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1

TABLE A-1 CONTINUED

TEMP DEG C	10.30	10.31	10.32	10.33	10.34	PH 10.35	10.36	10.37	10.38	10.39	10.40
0.2	62.3	62.8	63.3	63.9	64.4	64.9	65.4	66.0	66.5	67.0	67.5
0.4	62.0	63.6	63.7	64.3	64.8	65.3	65.8	66.3	66.9	67.4	67.9
0.6	63.0	64.0	64.1	64.6	65.2	65.7	66.2	66.7	67.2	67.7	68.2
0.8	63.4	64.4	64.5	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5
1.0	64.2	64.7	65.3	65.8	66.3	66.8	67.3	67.8	68.3	68.8	69.3
1.2	64.6	65.1	65.6	66.2	66.7	67.2	67.7	68.2	68.7	69.2	69.7
1.4	65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0
1.6	65.4	65.9	66.4	66.9	67.4	67.9	68.4	68.9	69.4	69.9	70.4
1.8	65.7	66.2	66.7	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7
2.0	66.1	66.6	67.1	67.6	68.1	68.6	69.1	69.6	70.1	70.6	71.1
2.2	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5
2.4	66.8	67.3	67.8	68.3	68.8	69.3	69.8	70.3	70.8	71.3	71.8
2.6	67.2	67.7	68.2	68.7	69.2	69.7	70.2	70.7	71.2	71.7	72.2
2.8	67.5	68.0	68.5	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5
3.0	67.9	68.4	68.9	69.4	69.9	70.4	70.9	71.4	71.9	72.4	72.9
3.2	68.3	68.8	69.3	69.8	70.3	70.8	71.3	71.8	72.3	72.8	73.3
3.4	68.6	69.1	69.6	70.1	70.6	71.1	71.6	72.1	72.6	73.1	73.6
3.6	69.0	69.5	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0
3.8	69.3	69.8	70.3	70.8	71.3	71.8	72.3	72.8	73.3	73.8	74.3
4.0	69.7	70.2	70.7	71.2	71.7	72.2	72.7	73.2	73.7	74.2	74.7
4.2	70.0	70.5	71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0
4.4	70.4	70.9	71.4	71.9	72.4	72.9	73.4	73.9	74.4	74.9	75.4
4.6	70.7	71.2	71.7	72.2	72.7	73.2	73.7	74.2	74.7	75.2	75.7
4.8	71.1	71.6	72.1	72.6	73.1	73.6	74.1	74.6	75.1	75.6	76.1
5.0	71.4	71.9	72.4	72.9	73.4	73.9	74.4	74.9	75.4	75.9	76.4
5.2	71.7	72.2	72.7	73.2	73.7	74.2	74.7	75.2	75.7	76.2	76.7
5.4	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0
5.6	72.4	72.9	73.4	73.9	74.4	74.9	75.4	75.9	76.4	76.9	77.4
5.8	72.7	73.2	73.7	74.2	74.7	75.2	75.7	76.2	76.7	77.2	77.7
6.0	73.0	73.5	74.0	74.5	75.0	75.5	76.0	76.5	77.0	77.5	78.0
6.2	73.3	73.8	74.3	74.8	75.3	75.8	76.3	76.8	77.3	77.8	78.3
6.4	73.6	74.1	74.6	75.1	75.6	76.1	76.6	77.1	77.6	78.1	78.6
6.6	73.9	74.4	74.9	75.4	75.9	76.4	76.9	77.4	77.9	78.4	78.9
6.8	74.3	74.8	75.3	75.8	76.3	76.8	77.3	77.8	78.3	78.8	79.3
7.0	74.6	75.1	75.6	76.1	76.6	77.1	77.6	78.1	78.6	79.1	79.6

TABLE A-1 CONTINUED

TABLE PAGE 320

TEMP DEG C	10.30	10.31	10.32	10.33	10.34	PH 10.35	10.36	10.37	10.38	10.39	10.40
7.0	74.6	75.0	75.4	75.8	76.3	76.7	77.1	77.5	77.9	78.3	78.7
7.2	74.9	75.3	75.7	76.1	76.6	77.0	77.4	77.8	78.2	78.6	79.0
7.4	75.2	75.6	76.0	76.4	76.9	77.3	77.7	78.1	78.5	78.9	79.3
7.6	75.5	75.9	76.3	76.7	77.2	77.6	78.0	78.4	78.8	79.2	79.6
7.8	75.8	76.2	76.6	77.0	77.5	77.9	78.3	78.7	79.1	79.5	79.9
8.0	76.0	76.5	76.9	77.3	77.8	78.1	78.5	78.9	79.3	79.7	80.0
8.2	76.3	76.7	77.2	77.6	78.0	78.3	78.7	79.1	79.5	79.9	80.3
8.4	76.6	77.0	77.4	77.8	78.2	78.6	79.0	79.4	79.8	80.2	80.6
8.6	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.7	80.1	80.5	80.9
8.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6	80.0	80.4	80.8	81.2
9.0	77.5	77.9	78.3	78.7	79.1	79.5	79.9	80.3	80.7	81.1	81.5
9.2	77.8	78.2	78.6	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.8
9.4	78.1	78.5	78.9	79.3	79.7	80.1	80.5	80.9	81.3	81.7	82.1
9.6	78.4	78.8	79.2	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.4
9.8	78.7	79.1	79.5	79.9	80.3	80.7	81.1	81.5	81.9	82.3	82.7
10.0	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.8	82.2	82.6	83.0
10.2	79.3	79.7	80.1	80.5	80.9	81.3	81.7	82.1	82.5	82.9	83.3
10.4	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.6
10.6	79.9	80.3	80.7	81.1	81.5	81.9	82.3	82.7	83.1	83.5	83.9
10.8	80.2	80.6	81.0	81.4	81.8	82.2	82.6	83.0	83.4	83.8	84.2
11.0	80.5	80.9	81.3	81.7	82.1	82.5	82.9	83.3	83.7	84.1	84.5
11.2	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.6	84.0	84.4	84.8
11.4	81.1	81.5	81.9	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.1
11.6	81.4	81.8	82.2	82.6	83.0	83.4	83.8	84.2	84.6	85.0	85.4
11.8	81.7	82.1	82.5	82.9	83.3	83.7	84.1	84.5	84.9	85.3	85.7
12.0	82.0	82.4	82.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0
12.2	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.1	85.5	85.9	86.3
12.4	82.6	83.0	83.4	83.8	84.2	84.6	85.0	85.4	85.8	86.2	86.6
12.6	82.9	83.3	83.7	84.1	84.5	84.9	85.3	85.7	86.1	86.5	86.9
12.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2
13.0	83.5	83.9	84.3	84.7	85.1	85.5	85.9	86.3	86.7	87.1	87.5
13.2	83.8	84.2	84.6	85.0	85.4	85.8	86.2	86.6	87.0	87.4	87.8
13.4	84.1	84.5	84.9	85.3	85.7	86.1	86.5	86.9	87.3	87.7	88.1
13.6	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0	88.4
13.8	84.7	85.1	85.5	85.9	86.3	86.7	87.1	87.5	87.9	88.3	88.7
14.0	85.0	85.4	85.8	86.2	86.6	87.0	87.4	87.8	88.2	88.6	89.0

TEMP DEG C	10.30	10.31	10.32	10.33	10.34	PH 10.35	10.36	10.37	10.38	10.39	10.40
14.0	83.5	83.8	84.1	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.4
14.2	83.7	84.0	84.3	84.6	84.9	85.2	85.5	85.8	86.1	86.4	86.6
14.4	83.9	84.2	84.5	84.8	85.1	85.4	85.7	86.0	86.3	86.5	86.8
14.6	84.1	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.5	86.7	87.0
14.8	84.3	84.6	84.9	85.2	85.5	85.8	86.1	86.4	86.6	86.9	87.1
15.0	84.5	84.8	85.1	85.4	85.7	86.0	86.3	86.5	86.8	87.0	87.3
15.2	84.7	85.0	85.3	85.6	85.9	86.2	86.4	86.7	87.0	87.2	87.5
15.4	84.9	85.2	85.5	85.8	86.1	86.3	86.6	86.9	87.1	87.4	87.6
15.6	85.1	85.4	85.7	86.0	86.3	86.5	86.8	87.1	87.3	87.5	87.8
15.8	85.3	85.6	85.9	86.2	86.5	86.7	87.0	87.2	87.5	87.7	88.0
16.0	85.5	85.8	86.1	86.4	86.6	86.9	87.1	87.4	87.6	87.9	88.1
16.2	85.7	86.0	86.3	86.6	86.9	87.2	87.4	87.7	87.9	88.2	88.4
16.4	85.9	86.2	86.5	86.8	87.1	87.4	87.6	87.9	88.1	88.4	88.6
16.6	86.1	86.4	86.7	87.0	87.3	87.5	87.8	88.1	88.3	88.6	88.8
16.8	86.3	86.6	86.9	87.2	87.5	87.7	88.0	88.3	88.5	88.8	89.0
17.0	86.5	86.8	87.1	87.4	87.7	87.9	88.2	88.5	88.7	89.0	89.2
17.2	86.7	87.0	87.3	87.6	87.9	88.1	88.4	88.7	88.9	89.2	89.4
17.4	86.9	87.2	87.5	87.8	88.1	88.3	88.6	88.9	89.1	89.4	89.6
17.6	87.1	87.4	87.7	88.0	88.3	88.5	88.8	89.1	89.3	89.6	89.8
17.8	87.3	87.6	87.9	88.2	88.5	88.7	89.0	89.3	89.5	89.8	90.0
18.0	87.5	87.8	88.1	88.4	88.7	88.9	89.2	89.5	89.7	90.0	90.2
18.2	87.7	88.0	88.3	88.6	88.9	89.1	89.4	89.7	89.9	90.2	90.4
18.4	87.9	88.2	88.5	88.8	89.1	89.3	89.6	89.9	90.1	90.4	90.6
18.6	88.1	88.4	88.7	89.0	89.3	89.5	89.8	90.1	90.3	90.6	90.8
18.8	88.3	88.6	88.9	89.2	89.5	89.7	90.0	90.3	90.5	90.8	91.0
19.0	88.5	88.8	89.1	89.4	89.7	89.9	90.2	90.5	90.7	91.0	91.2
19.2	88.7	89.0	89.3	89.6	89.9	90.1	90.4	90.7	90.9	91.2	91.4
19.4	88.9	89.2	89.5	89.8	90.1	90.3	90.6	90.9	91.1	91.4	91.6
19.6	89.1	89.4	89.7	90.0	90.3	90.5	90.8	91.1	91.3	91.6	91.8
19.8	89.3	89.6	89.9	90.2	90.5	90.7	91.0	91.3	91.5	91.8	92.0
20.0	89.5	89.8	90.1	90.4	90.7	90.9	91.2	91.5	91.7	92.0	92.2
20.2	89.7	90.0	90.3	90.6	90.9	91.1	91.4	91.7	91.9	92.2	92.4
20.4	89.9	90.2	90.5	90.8	91.1	91.3	91.6	91.9	92.1	92.4	92.6
20.6	90.1	90.4	90.7	91.0	91.3	91.5	91.8	92.1	92.3	92.6	92.8
20.8	90.3	90.6	90.9	91.2	91.5	91.7	92.0	92.3	92.5	92.8	93.0
21.0	90.5	90.8	91.1	91.4	91.7	91.9	92.2	92.5	92.7	93.0	93.2

TABLE A-1 CONTINUED

TEMP DEG C	10.30	10.31	10.32	10.33	10.34	PH 10.35	10.36	10.37	10.38	10.39	10.40
21.0	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5
21.2	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6
21.4	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8
21.6	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9
21.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0
22.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2
22.2	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3
22.4	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4
22.6	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5
22.8	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7
23.0	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8
23.2	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9
23.4	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0
23.6	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1
23.8	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2
24.0	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4
24.2	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5
24.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6
24.6	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7
24.8	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8
25.0	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9
25.2	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0
25.4	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1
25.6	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2
25.8	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3
26.0	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4
26.2	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5
26.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6
26.6	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5	94.7
26.8	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8
27.0	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5	94.7	94.9
27.2	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0
27.4	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5	94.7	94.9	95.1
27.6	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0	95.2
27.8	93.3	93.5	93.7	93.9	94.1	94.3	94.5	94.7	94.9	95.1	95.3
28.0	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0	95.2	95.4

TABLE A-1 CONTINUED

TEMP DEG C	10.30	10.31	10.32	10.33	10.34	PH 10.35	10.36	10.37	10.38	10.39	10.40
28.0	93.3	93.5	93.6	93.8	93.9	94.0	94.1	94.3	94.4	94.5	94.6
28.2	93.4	93.6	93.7	93.8	94.0	94.1	94.2	94.4	94.5	94.6	94.7
28.4	93.5	93.7	93.8	93.9	94.1	94.2	94.3	94.5	94.6	94.7	94.8
28.6	93.6	93.8	93.9	94.1	94.2	94.3	94.4	94.6	94.7	94.8	94.9
28.8	93.7	93.9	94.0	94.1	94.2	94.3	94.4	94.6	94.7	94.8	95.0
29.0	93.8	94.0	94.1	94.2	94.3	94.4	94.5	94.7	94.8	94.9	95.0
29.2	93.8	94.0	94.1	94.2	94.3	94.5	94.6	94.7	94.8	94.9	95.0
29.4	93.9	94.1	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.1
29.6	94.0	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.2
29.8	94.1	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.3
30.0	94.1	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.3
30.2	94.2	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.4
30.4	94.3	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.5
30.6	94.4	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.6
30.8	94.5	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.7
31.0	94.5	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.8
31.2	94.6	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.9
31.4	94.7	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	96.0
31.6	94.7	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	96.0
31.8	94.8	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	96.1
32.0	94.8	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	96.1
32.2	94.9	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.2
32.4	95.0	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.3
32.6	95.0	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.3
32.8	95.1	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.4
33.0	95.2	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.5
33.2	95.3	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.6
33.4	95.4	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.7
33.6	95.5	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.8
33.8	95.6	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.9
34.0	95.7	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	97.0
34.2	95.8	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	97.1
34.4	95.9	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.2
34.6	96.0	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.3
34.8	96.1	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.4
35.0	96.2	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.5

TABLE A-1 CONTINUED

TEMP DEG C	10.30	10.31	10.32	10.33	10.34	PH 10.35	10.36	10.37	10.38	10.39	10.40
35.0	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.6
35.2	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.7
35.4	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.8
35.6	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	96.9
35.8	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.0
36.0	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.1
36.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.2
36.4	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.3
36.6	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.4
36.8	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.5
37.0	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.6
37.2	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.7
37.4	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.8
37.6	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	97.9
37.8	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.0
38.0	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.1
38.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.2
38.4	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.3
38.6	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.4
38.8	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.5
39.0	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.6
39.2	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.7
39.4	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.8
39.6	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	98.9
39.8	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.0
40.0	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.1

TABLE A-1 CONTINUED

TABLE PAGE 325

TEMP DEG C	10.40	10.41	10.42	10.43	10.44	PH 10.45	10.46	10.47	10.48	10.49	10.50
0	67.5	68.0	68.5	69.0	69.5	70.0	70.5	70.9	71.4	71.9	72.3
1	67.9	68.4	68.9	69.4	69.8	70.3	70.8	71.3	71.7	72.2	72.6
2	68.2	68.7	69.2	69.7	70.2	70.7	71.2	71.6	72.1	72.5	73.0
3	68.6	69.1	69.6	70.1	70.5	71.0	71.5	72.0	72.4	72.9	73.3
4	69.0	69.4	69.9	70.4	70.9	71.4	71.8	72.3	72.8	73.2	73.7
5	69.3	69.8	70.3	70.8	71.2	71.7	72.2	72.6	73.1	73.5	74.0
6	69.7	70.2	70.6	71.1	71.6	72.0	72.5	73.0	73.4	73.9	74.3
7	70.0	70.5	71.0	71.4	71.9	72.4	72.8	73.3	73.7	74.2	74.6
8	70.4	70.8	71.3	71.8	72.3	72.7	73.2	73.6	74.1	74.5	74.9
9	70.7	71.2	71.7	72.1	72.6	73.0	73.5	74.0	74.4	74.8	75.2
10	71.1	71.5	72.0	72.5	72.9	73.4	73.8	74.3	74.7	75.1	75.6
11	71.4	71.9	72.3	72.8	73.3	73.7	74.1	74.6	75.0	75.4	75.9
12	71.7	72.2	72.7	73.1	73.6	74.0	74.4	74.9	75.3	75.7	76.2
13	72.1	72.5	73.0	73.4	73.9	74.3	74.8	75.2	75.6	76.0	76.5
14	72.4	72.9	73.3	73.8	74.2	74.6	75.1	75.5	75.9	76.3	76.8
15	72.7	73.2	73.6	74.1	74.5	74.9	75.4	75.8	76.2	76.6	77.0
16	73.1	73.5	73.9	74.4	74.8	75.3	75.7	76.1	76.5	76.9	77.3
17	73.4	73.8	74.3	74.7	75.1	75.6	76.0	76.4	76.8	77.2	77.6
18	73.7	74.1	74.6	75.0	75.4	75.9	76.3	76.7	77.1	77.5	77.9
19	74.0	74.4	74.9	75.3	75.7	76.2	76.6	77.0	77.4	77.8	78.2
20	74.3	74.8	75.2	75.6	76.0	76.5	76.9	77.3	77.7	78.1	78.5
21	74.6	75.1	75.5	75.9	76.3	76.8	77.2	77.6	78.0	78.4	78.8
22	74.9	75.4	75.8	76.2	76.6	77.0	77.4	77.8	78.2	78.6	79.0
23	75.2	75.7	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3
24	75.5	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6
25	75.8	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.9
26	76.1	76.6	77.0	77.4	77.8	78.2	78.6	79.0	79.4	79.8	80.2
27	76.4	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.7	80.1	80.5
28	76.7	77.2	77.6	78.0	78.4	78.8	79.2	79.6	80.0	80.4	80.8
29	77.0	77.5	77.9	78.3	78.7	79.1	79.5	79.9	80.3	80.7	81.1
30	77.3	77.8	78.2	78.6	79.0	79.4	79.8	80.2	80.6	81.0	81.4
31	77.6	78.1	78.5	78.9	79.3	79.7	80.1	80.5	80.9	81.3	81.7
32	77.9	78.4	78.8	79.2	79.6	80.0	80.4	80.8	81.2	81.6	82.0
33	78.2	78.7	79.1	79.5	79.9	80.3	80.7	81.1	81.5	81.9	82.3
34	78.5	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.8	82.2	82.6
35	78.8	79.3	79.7	80.1	80.5	80.9	81.3	81.7	82.1	82.5	82.9
36	79.1	79.6	80.0	80.4	80.8	81.2	81.6	82.0	82.4	82.8	83.2
37	79.4	79.9	80.3	80.7	81.1	81.5	81.9	82.3	82.7	83.1	83.5
38	79.7	80.2	80.6	81.0	81.4	81.8	82.2	82.6	83.0	83.4	83.8
39	80.0	80.5	80.9	81.3	81.7	82.1	82.5	82.9	83.3	83.7	84.1
40	80.3	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.6	84.0	84.4
41	80.6	81.1	81.5	81.9	82.3	82.7	83.1	83.5	83.9	84.3	84.7
42	80.9	81.4	81.8	82.2	82.6	83.0	83.4	83.8	84.2	84.6	85.0
43	81.2	81.7	82.1	82.5	82.9	83.3	83.7	84.1	84.5	84.9	85.3
44	81.5	82.0	82.4	82.8	83.2	83.6	84.0	84.4	84.8	85.2	85.6
45	81.8	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.1	85.5	85.9
46	82.1	82.6	83.0	83.4	83.8	84.2	84.6	85.0	85.4	85.8	86.2
47	82.4	82.9	83.3	83.7	84.1	84.5	84.9	85.3	85.7	86.1	86.5
48	82.7	83.2	83.6	84.0	84.4	84.8	85.2	85.6	86.0	86.4	86.8
49	83.0	83.5	83.9	84.3	84.7	85.1	85.5	85.9	86.3	86.7	87.1
50	83.3	83.8	84.2	84.6	85.0	85.4	85.8	86.2	86.6	87.0	87.4
51	83.6	84.1	84.5	84.9	85.3	85.7	86.1	86.5	86.9	87.3	87.7
52	83.9	84.4	84.8	85.2	85.6	86.0	86.4	86.8	87.2	87.6	88.0
53	84.2	84.7	85.1	85.5	85.9	86.3	86.7	87.1	87.5	87.9	88.3
54	84.5	85.0	85.4	85.8	86.2	86.6	87.0	87.4	87.8	88.2	88.6
55	84.8	85.3	85.7	86.1	86.5	86.9	87.3	87.7	88.1	88.5	88.9
56	85.1	85.6	86.0	86.4	86.8	87.2	87.6	88.0	88.4	88.8	89.2
57	85.4	85.9	86.3	86.7	87.1	87.5	87.9	88.3	88.7	89.1	89.5
58	85.7	86.2	86.6	87.0	87.4	87.8	88.2	88.6	89.0	89.4	89.8
59	86.0	86.5	86.9	87.3	87.7	88.1	88.5	88.9	89.3	89.7	90.1
60	86.3	86.8	87.2	87.6	88.0	88.4	88.8	89.2	89.6	90.0	90.4
61	86.6	87.1	87.5	87.9	88.3	88.7	89.1	89.5	89.9	90.3	90.7
62	86.9	87.4	87.8	88.2	88.6	89.0	89.4	89.8	90.2	90.6	91.0
63	87.2	87.7	88.1	88.5	88.9	89.3	89.7	90.1	90.5	90.9	91.3
64	87.5	88.0	88.4	88.8	89.2	89.6	90.0	90.4	90.8	91.2	91.6
65	87.8	88.3	88.7	89.1	89.5	89.9	90.3	90.7	91.1	91.5	91.9
66	88.1	88.6	89.0	89.4	89.8	90.2	90.6	91.0	91.4	91.8	92.2
67	88.4	88.9	89.3	89.7	90.1	90.5	90.9	91.3	91.7	92.1	92.5
68	88.7	89.2	89.6	90.0	90.4	90.8	91.2	91.6	92.0	92.4	92.8
69	89.0	89.5	89.9	90.3	90.7	91.1	91.5	91.9	92.3	92.7	93.1
70	89.3	89.8	90.2	90.6	91.0	91.4	91.8	92.2	92.6	93.0	93.4

TABLE A-1 CONTINUED

TEMP DEG C	10.40	10.41	10.42	10.43	10.44	PH 10.45	10.46	10.47	10.48	10.49	10.50
7.0	78.7	79.1	79.4	79.8	80.2	80.5	80.9	81.3	81.6	81.9	82.3
7.2	78.9	79.3	79.7	80.1	80.5	80.8	81.1	81.5	81.8	82.2	82.5
7.4	79.2	79.6	80.0	80.4	80.8	81.1	81.4	81.8	82.1	82.5	82.8
7.6	79.5	79.9	80.3	80.7	81.1	81.4	81.7	82.1	82.4	82.8	83.1
7.8	79.7	80.1	80.5	80.9	81.3	81.6	81.9	82.3	82.6	83.0	83.3
8.0	80.0	80.4	80.8	81.2	81.6	81.9	82.2	82.6	82.9	83.3	83.6
8.2	80.2	80.6	81.0	81.4	81.8	82.1	82.4	82.8	83.1	83.5	83.9
8.4	80.5	80.9	81.3	81.7	82.1	82.4	82.7	83.1	83.4	83.8	84.1
8.6	80.7	81.1	81.5	81.9	82.3	82.6	82.9	83.3	83.6	84.0	84.3
8.8	81.0	81.4	81.8	82.2	82.6	82.9	83.2	83.6	83.9	84.3	84.6
9.0	81.2	81.6	82.0	82.4	82.8	83.1	83.4	83.8	84.1	84.5	84.8
9.2	81.5	81.9	82.3	82.7	83.1	83.4	83.7	84.1	84.4	84.8	85.1
9.4	81.7	82.1	82.5	82.9	83.3	83.6	83.9	84.3	84.6	85.0	85.3
9.6	82.0	82.4	82.8	83.2	83.6	83.9	84.2	84.6	84.9	85.3	85.6
9.8	82.2	82.6	83.0	83.4	83.8	84.1	84.4	84.8	85.1	85.5	85.8
10.0	82.5	82.9	83.3	83.7	84.1	84.4	84.7	85.1	85.4	85.8	86.1
10.2	82.7	83.1	83.5	83.9	84.3	84.6	84.9	85.3	85.6	86.0	86.3
10.4	83.0	83.4	83.8	84.2	84.6	84.9	85.2	85.6	85.9	86.3	86.6
10.6	83.2	83.6	84.0	84.4	84.8	85.1	85.4	85.8	86.1	86.5	86.8
10.8	83.5	83.9	84.3	84.7	85.1	85.4	85.7	86.1	86.4	86.8	87.1
11.0	83.7	84.1	84.5	84.9	85.3	85.6	85.9	86.3	86.6	87.0	87.3
11.2	84.0	84.4	84.8	85.2	85.6	85.9	86.2	86.6	86.9	87.3	87.6
11.4	84.2	84.6	85.0	85.4	85.8	86.1	86.4	86.8	87.1	87.5	87.8
11.6	84.5	84.9	85.3	85.7	86.1	86.4	86.7	87.1	87.4	87.8	88.1
11.8	84.7	85.1	85.5	85.9	86.3	86.6	86.9	87.3	87.6	88.0	88.3
12.0	85.0	85.4	85.8	86.2	86.6	86.9	87.2	87.6	87.9	88.3	88.6
12.2	85.2	85.6	86.0	86.4	86.8	87.1	87.4	87.8	88.1	88.5	88.8
12.4	85.5	85.9	86.3	86.7	87.1	87.4	87.7	88.1	88.4	88.8	89.1
12.6	85.7	86.1	86.5	86.9	87.3	87.6	87.9	88.3	88.6	89.0	89.3
12.8	86.0	86.4	86.8	87.2	87.6	87.9	88.2	88.6	88.9	89.3	89.6
13.0	86.2	86.6	87.0	87.4	87.8	88.1	88.4	88.8	89.1	89.5	89.8
13.2	86.5	86.9	87.3	87.7	88.1	88.4	88.7	89.1	89.4	89.8	90.1
13.4	86.7	87.1	87.5	87.9	88.3	88.6	88.9	89.3	89.6	90.0	90.3

TABLE A-1 CONTINUED

TABLE PAGE 327

TEMP DEG C	10.40	10.41	10.42	10.43	10.44	PH 10.45	10.46	10.47	10.48	10.49	10.50
14.0	86.4	86.7	87.0	87.2	87.5	87.7	88.0	88.2	88.5	88.7	88.9
14.2	86.6	86.9	87.1	87.4	87.6	87.9	88.1	88.4	88.6	88.8	89.1
14.4	86.8	87.1	87.3	87.6	87.8	88.1	88.3	88.5	88.8	89.0	89.2
14.6	87.0	87.2	87.5	87.7	88.0	88.2	88.5	88.8	89.1	89.3	89.5
14.8	87.1	87.4	87.6	87.9	88.1	88.4	88.6	88.9	89.2	89.4	89.6
15.0	87.3	87.6	87.8	88.1	88.3	88.5	88.8	89.0	89.3	89.5	89.8
15.2	87.5	87.9	88.0	88.2	88.4	88.7	88.9	89.1	89.4	89.6	89.9
15.4	87.6	88.0	88.1	88.3	88.5	88.8	89.0	89.3	89.5	89.7	89.9
15.6	87.8	88.2	88.4	88.7	88.9	89.1	89.3	89.6	89.8	89.9	90.1
15.8	88.0	88.3	88.6	88.8	89.0	89.3	89.5	89.7	89.9	90.0	90.2
16.0	88.1	88.4	88.6	88.8	89.0	89.3	89.5	89.7	89.9	90.1	90.3
16.2	88.3	88.5	88.7	89.0	89.2	89.4	89.6	89.8	90.0	90.3	90.5
16.4	88.4	88.8	88.9	89.1	89.3	89.6	89.8	90.0	90.2	90.5	90.7
16.6	88.6	88.8	89.0	89.3	89.5	89.7	89.9	90.1	90.3	90.5	90.7
16.8	88.7	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8
17.0	88.9	89.1	89.3	89.5	89.6	90.0	90.2	90.4	90.6	90.8	91.0
17.2	89.0	89.2	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1
17.4	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2
17.6	89.3	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3
17.8	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5
18.0	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6
18.2	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7
18.4	89.9	90.0	90.4	90.5	90.8	90.9	91.1	91.4	91.5	91.7	91.8
18.6	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.5	91.7	91.9
18.8	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.0
19.0	90.3	90.5	90.7	90.9	91.1	91.2	91.4	91.6	91.8	92.0	92.1
19.2	90.4	90.6	90.8	91.0	91.2	91.3	91.5	91.7	91.9	92.1	92.3
19.4	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5
19.6	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6
19.8	90.8	91.0	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7
20.0	90.9	91.1	91.3	91.4	91.6	91.8	92.0	92.1	92.3	92.5	92.7
20.2	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0
20.4	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1
20.6	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2
20.8	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3
21.0	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5

TABLE PAGE 328

TABLE A-1 CONTINUED

TEMP DEG C	10.40	10.41	10.42	10.43	10.44	PH 10.45	10.46	10.47	10.48	10.49	10.50
21.0	91.5	91.7	91.8	92.0	92.2	92.3	92.5	92.6	92.8	93.0	93.1
21.2	91.6	91.8	91.9	92.1	92.3	92.4	92.6	92.7	92.9	93.1	93.2
21.4	91.7	91.9	92.0	92.2	92.4	92.5	92.7	92.8	93.0	93.2	93.3
21.6	91.8	92.0	92.1	92.3	92.5	92.6	92.8	92.9	93.1	93.3	93.4
21.8	91.9	92.1	92.2	92.4	92.6	92.7	92.9	93.0	93.2	93.4	93.5
22.0	92.0	92.2	92.3	92.5	92.7	92.8	93.0	93.1	93.3	93.5	93.6
22.2	92.1	92.3	92.4	92.6	92.8	92.9	93.1	93.2	93.4	93.6	93.7
22.4	92.2	92.4	92.5	92.7	92.9	93.0	93.2	93.3	93.5	93.7	93.8
22.6	92.3	92.5	92.6	92.8	93.0	93.1	93.3	93.4	93.6	93.8	93.9
22.8	92.4	92.6	92.7	92.9	93.1	93.2	93.4	93.5	93.7	93.9	94.0
23.0	92.5	92.7	92.8	93.0	93.2	93.3	93.5	93.6	93.8	94.0	94.1
23.2	92.6	92.8	92.9	93.1	93.3	93.4	93.6	93.7	93.9	94.1	94.2
23.4	92.7	92.9	93.0	93.2	93.4	93.5	93.7	93.8	94.0	94.2	94.3
23.6	92.8	93.0	93.1	93.3	93.5	93.6	93.8	93.9	94.1	94.3	94.4
23.8	92.9	93.1	93.2	93.4	93.6	93.7	93.9	94.0	94.2	94.4	94.5
24.0	93.0	93.2	93.3	93.5	93.7	93.8	94.0	94.1	94.3	94.5	94.6
24.2	93.1	93.3	93.4	93.6	93.8	93.9	94.1	94.2	94.4	94.6	94.7
24.4	93.2	93.4	93.5	93.7	93.9	94.0	94.2	94.3	94.5	94.7	94.8
24.6	93.3	93.5	93.6	93.8	94.0	94.1	94.3	94.4	94.6	94.8	94.9
24.8	93.4	93.6	93.7	93.9	94.1	94.2	94.4	94.5	94.7	94.9	95.0
25.0	93.5	93.7	93.8	94.0	94.2	94.3	94.5	94.6	94.8	95.0	95.1
25.2	93.6	93.8	93.9	94.1	94.3	94.4	94.6	94.7	94.9	95.1	95.2
25.4	93.7	93.9	94.0	94.2	94.4	94.5	94.7	94.8	95.0	95.2	95.3
25.6	93.8	94.0	94.1	94.3	94.5	94.6	94.8	94.9	95.1	95.3	95.4
25.8	93.9	94.1	94.2	94.4	94.6	94.7	94.9	95.0	95.2	95.4	95.5
26.0	94.0	94.2	94.3	94.5	94.7	94.8	95.0	95.1	95.3	95.5	95.6
26.2	94.1	94.3	94.4	94.6	94.8	94.9	95.1	95.2	95.4	95.6	95.7
26.4	94.2	94.4	94.5	94.7	94.9	95.0	95.2	95.3	95.5	95.7	95.8
26.6	94.3	94.5	94.6	94.8	95.0	95.1	95.3	95.4	95.6	95.8	95.9
26.8	94.4	94.6	94.7	94.9	95.1	95.2	95.4	95.5	95.7	95.9	96.0
27.0	94.5	94.7	94.8	95.0	95.2	95.3	95.5	95.6	95.8	96.0	96.1
27.2	94.6	94.8	94.9	95.1	95.3	95.4	95.6	95.7	95.9	96.1	96.2
27.4	94.7	94.9	95.0	95.2	95.4	95.5	95.7	95.8	96.0	96.2	96.3
27.6	94.8	95.0	95.1	95.3	95.5	95.6	95.8	95.9	96.1	96.3	96.4
27.8	94.9	95.1	95.2	95.4	95.6	95.7	95.9	96.0	96.2	96.4	96.5
28.0	95.0	95.2	95.3	95.5	95.7	95.8	96.0	96.1	96.3	96.5	96.6

TABLE A-1 CONTINUED

TABLE PAGE 329

TEMP DEG C	10.40	10.41	10.42	10.43	10.44	PH	10.46	10.47	10.48	10.49	10.50
28.0	94.6	94.7	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7
28.2	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7
28.4	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8
28.6	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8
28.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9
29.0	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0
29.2	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0
29.4	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1
29.6	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2
29.8	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3
30.0	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3
30.2	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4
30.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5
30.6	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5
30.8	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6
31.0	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6
31.2	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7
31.4	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8
31.6	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8
31.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9
32.0	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0
32.2	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0
32.4	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1
32.6	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1
32.8	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2
33.0	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2
33.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3
33.4	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3
33.6	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4
33.8	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4
34.0	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5
34.2	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5
34.4	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6
34.6	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6
34.8	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7
35.0	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7

TABLE A-1 CONTINUED

TEMP DEG C	10.40	10.41	10.42	10.43	10.44	PH 10.45	10.46	10.47	10.48	10.49	10.50
35.0	96.6	96.7	96.7	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.3
35.2	96.6	96.7	96.8	96.8	96.9	97.0	97.1	97.2	97.2	97.3	97.3
35.4	96.7	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.4
35.6	96.7	96.8	96.9	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.4
35.8	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.4
36.0	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.5
36.2	96.8	96.9	97.0	97.0	97.1	97.2	97.3	97.3	97.4	97.4	97.5
36.4	96.9	97.0	97.1	97.1	97.2	97.2	97.3	97.4	97.4	97.5	97.5
36.6	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.5	97.6
37.0	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.5	97.6
37.2	97.0	97.1	97.2	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.6
37.4	97.1	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.7
37.6	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7
37.8	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.7	97.7
38.0	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8
38.2	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8
38.4	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9
38.6	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9
39.0	97.4	97.4	97.5	97.6	97.7	97.7	97.7	97.8	97.8	97.9	97.9
39.2	97.4	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.8	97.9	97.9
39.4	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0
39.6	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0
39.8	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0
40.0	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0

TABLE A-1 CONTINUED

TABLE PAGE 331

TEMP DEG C	10.50	10.51	10.52	10.53	10.54	PH 10.55	10.56	10.57	10.58	10.59	10.60
0	72.3	72.8	73.2	73.7	74.1	74.6	75.0	75.4	75.9	76.3	76.7
.2	72.7	73.1	73.6	74.0	74.5	74.9	75.3	75.8	76.2	76.6	77.0
.4	73.0	73.5	73.9	74.3	74.8	75.2	75.6	76.1	76.5	76.9	77.3
.6	73.3	73.8	74.2	74.6	75.1	75.5	75.9	76.4	76.8	77.2	77.6
.8	73.7	74.1	74.5	75.0	75.4	75.8	76.3	76.7	77.1	77.5	77.9
1.0	74.0	74.4	74.9	75.3	75.7	76.1	76.6	77.0	77.4	77.8	78.2
1.2	74.3	74.7	75.2	75.6	76.0	76.4	76.9	77.3	77.7	78.1	78.4
1.4	74.6	75.1	75.5	75.9	76.3	76.7	77.1	77.5	77.9	78.3	78.7
1.6	74.9	75.4	75.8	76.2	76.6	77.0	77.4	77.8	78.2	78.6	79.0
1.8	75.2	75.7	76.1	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3
2.0	75.6	76.0	76.4	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6
2.2	75.9	76.3	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.9
2.4	76.2	76.6	77.0	77.4	77.8	78.2	78.6	79.0	79.4	79.8	80.1
2.6	76.5	76.9	77.3	77.7	78.1	78.5	78.9	79.3	79.7	80.0	80.3
2.8	76.8	77.2	77.6	78.0	78.4	78.8	79.2	79.6	80.0	80.3	80.6
3.0	77.0	77.5	77.9	78.2	78.6	79.0	79.4	79.8	80.1	80.5	80.9
3.2	77.3	77.7	78.1	78.5	78.9	79.3	79.7	80.0	80.4	80.7	81.1
3.4	77.6	78.0	78.4	78.8	79.2	79.6	80.0	80.3	80.7	81.0	81.4
3.6	77.9	78.3	78.7	79.1	79.5	79.9	80.3	80.6	81.0	81.3	81.7
3.8	78.2	78.6	79.0	79.4	79.8	80.2	80.6	80.9	81.3	81.6	82.0
4.0	78.5	78.9	79.3	79.7	80.1	80.5	80.9	81.2	81.6	81.9	82.3
4.2	78.7	79.1	79.5	79.9	80.3	80.7	81.1	81.4	81.8	82.1	82.5
4.4	79.0	79.4	79.8	80.2	80.6	81.0	81.4	81.7	82.1	82.4	82.8
4.6	79.3	79.7	80.1	80.5	80.9	81.3	81.7	82.0	82.4	82.7	83.1
4.8	79.5	79.9	80.3	80.7	81.1	81.5	81.9	82.2	82.6	82.9	83.3
5.0	79.8	80.2	80.6	81.0	81.4	81.8	82.2	82.5	82.9	83.2	83.6
5.2	80.1	80.5	80.9	81.3	81.7	82.1	82.5	82.8	83.2	83.5	83.9
5.4	80.3	80.7	81.1	81.5	81.9	82.3	82.7	83.0	83.4	83.7	84.1
5.6	80.6	81.0	81.4	81.8	82.2	82.6	83.0	83.3	83.7	84.0	84.4
5.8	80.8	81.2	81.6	82.0	82.4	82.8	83.2	83.5	83.9	84.2	84.6
6.0	81.1	81.5	81.9	82.3	82.7	83.1	83.5	83.8	84.2	84.5	84.9
6.2	81.3	81.7	82.1	82.5	82.9	83.3	83.7	84.0	84.4	84.7	85.1
6.4	81.6	82.0	82.4	82.8	83.2	83.6	84.0	84.3	84.7	85.0	85.4
6.6	81.8	82.2	82.6	83.0	83.4	83.8	84.2	84.5	84.9	85.2	85.6
6.8	82.1	82.5	82.9	83.3	83.7	84.1	84.5	84.8	85.2	85.5	85.9
7.0	82.3	82.7	83.1	83.5	83.9	84.3	84.7	85.0	85.4	85.7	86.1

TABLE PAGE 332

TABLE A-1 CONTINUED

TEMP DEG C	10.50	10.51	10.52	10.53	10.54	PH 10.55	10.56	10.57	10.58	10.59	10.60
7.0	82.0	82.6	82.9	83.3	83.6	83.9	84.2	84.5	84.8	85.1	85.4
7.2	82.5	83.1	83.3	83.5	83.8	84.1	84.4	84.7	85.0	85.3	85.6
7.4	83.0	83.5	83.6	83.9	84.2	84.5	84.8	85.1	85.4	85.7	86.0
7.6	83.5	84.0	84.1	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.5
7.8	84.0	84.5	84.6	84.9	85.2	85.5	85.8	86.1	86.4	86.7	87.0
8.0	84.5	85.0	85.1	85.4	85.7	86.0	86.3	86.6	86.9	87.2	87.5
8.2	85.0	85.5	85.6	85.9	86.2	86.5	86.8	87.1	87.4	87.7	88.0
8.4	85.5	86.0	86.1	86.4	86.7	87.0	87.3	87.6	87.9	88.2	88.5
8.6	86.0	86.5	86.6	86.9	87.2	87.5	87.8	88.1	88.4	88.7	89.0
8.8	86.5	87.0	87.1	87.4	87.7	88.0	88.3	88.6	88.9	89.2	89.5
9.0	87.0	87.5	87.6	87.9	88.2	88.5	88.8	89.1	89.4	89.7	90.0
9.2	87.5	88.0	88.1	88.4	88.7	89.0	89.3	89.6	89.9	90.2	90.5
9.4	88.0	88.5	88.6	88.9	89.2	89.5	89.8	90.1	90.4	90.7	91.0
9.6	88.5	89.0	89.1	89.4	89.7	90.0	90.3	90.6	90.9	91.2	91.5
9.8	89.0	89.5	89.6	89.9	90.2	90.5	90.8	91.1	91.4	91.7	92.0
10.0	89.5	90.0	90.1	90.4	90.7	91.0	91.3	91.6	91.9	92.2	92.5
10.2	90.0	90.5	90.6	90.9	91.2	91.5	91.8	92.1	92.4	92.7	93.0
10.4	90.5	91.0	91.1	91.4	91.7	92.0	92.3	92.6	92.9	93.2	93.5
10.6	91.0	91.5	91.6	91.9	92.2	92.5	92.8	93.1	93.4	93.7	94.0
10.8	91.5	92.0	92.1	92.4	92.7	93.0	93.3	93.6	93.9	94.2	94.5
11.0	92.0	92.5	92.6	92.9	93.2	93.5	93.8	94.1	94.4	94.7	95.0
11.2	92.5	93.0	93.1	93.4	93.7	94.0	94.3	94.6	94.9	95.2	95.5
11.4	93.0	93.5	93.6	93.9	94.2	94.5	94.8	95.1	95.4	95.7	96.0
11.6	93.5	94.0	94.1	94.4	94.7	95.0	95.3	95.6	95.9	96.2	96.5
11.8	94.0	94.5	94.6	94.9	95.2	95.5	95.8	96.1	96.4	96.7	97.0
12.0	94.5	95.0	95.1	95.4	95.7	96.0	96.3	96.6	96.9	97.2	97.5
12.2	95.0	95.5	95.6	95.9	96.2	96.5	96.8	97.1	97.4	97.7	98.0
12.4	95.5	96.0	96.1	96.4	96.7	97.0	97.3	97.6	97.9	98.2	98.5
12.6	96.0	96.5	96.6	96.9	97.2	97.5	97.8	98.1	98.4	98.7	99.0
12.8	96.5	97.0	97.1	97.4	97.7	98.0	98.3	98.6	98.9	99.2	99.5
13.0	97.0	97.5	97.6	97.9	98.2	98.5	98.8	99.1	99.4	99.7	100.0
13.2	97.5	98.0	98.1	98.4	98.7	99.0	99.3	99.6	99.9	100.2	100.5
13.4	98.0	98.5	98.6	98.9	99.2	99.5	99.8	100.1	100.4	100.7	101.0

TABLE A-1 CONTINUED

TABLE PAGE 333

TEMP DEG C	10.50	10.51	10.52	10.53	10.54	10.55 PM	10.56	10.57	10.58	10.59	10.60
14.0	88.9	89.1	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0
14.2	89.1	89.3	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1
14.4	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2
14.6	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4
14.8	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5
15.0	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6
15.2	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8
15.4	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9
15.6	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0
15.8	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2
16.0	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3
16.2	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5
16.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6
16.6	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7
16.8	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8
17.0	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0
17.2	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1
17.4	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2
17.6	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3
17.8	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4
18.0	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5
18.2	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6
18.4	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7
18.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8
18.8	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9
19.0	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0
19.2	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1
19.4	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2
19.6	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3
19.8	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4
20.0	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5
20.2	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6
20.4	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5	94.7
20.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8
20.8	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5	94.7	94.9
21.0	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0

TABLE A-1 CONTINUED

TABLE PAGE 334

TEMP DEG C	10.50	10.51	10.52	10.53	10.54	PH 10.55	10.56	10.57	10.58	10.59	10.60
21.0	93.1	93.3	93.4	93.5	93.7	93.8	93.9	94.1	94.2	94.3	94.4
21.2	93.2	93.3	93.5	93.6	93.8	93.9	94.0	94.2	94.3	94.4	94.5
21.4	93.3	93.4	93.6	93.7	93.9	94.0	94.1	94.3	94.4	94.5	94.6
21.6	93.4	93.5	93.7	93.8	94.0	94.1	94.2	94.4	94.5	94.6	94.7
21.8	93.5	93.6	93.8	93.9	94.1	94.2	94.3	94.5	94.6	94.7	94.8
22.0	93.6	93.8	94.0	94.0	94.2	94.3	94.4	94.5	94.7	94.8	94.9
22.2	93.7	93.9	94.1	94.2	94.3	94.4	94.5	94.6	94.8	94.9	95.0
22.4	93.8	94.0	94.2	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0
22.6	93.9	94.1	94.3	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1
22.8	94.0	94.2	94.4	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2
23.0	94.1	94.3	94.5	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3
23.2	94.2	94.4	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4
23.4	94.3	94.5	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5
23.6	94.4	94.6	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6
23.8	94.5	94.7	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7
24.0	94.6	94.8	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8
24.2	94.7	94.9	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9
24.4	94.8	95.0	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0
24.6	94.9	95.1	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1
24.8	95.0	95.2	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2
25.0	95.1	95.3	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3
25.2	95.2	95.4	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4
25.4	95.3	95.5	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5
25.6	95.4	95.6	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6
25.8	95.5	95.7	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7
26.0	95.6	95.8	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8
26.2	95.7	95.9	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9
26.4	95.8	96.0	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0
26.6	95.9	96.1	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1
26.8	96.0	96.2	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2
27.0	96.1	96.3	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3
27.2	96.2	96.4	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4
27.4	96.3	96.5	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5
27.6	96.4	96.6	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6
27.8	96.5	96.7	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7
28.0	96.6	96.8	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8

TABLE A-1 CONTINUED

TABLE PAGE 335

TEMP DEG C	10.50	10.51	10.52	10.53	10.54	PH 10.55	10.56	10.57	10.58	10.59	10.60
28.0	95.7	95.8	95.9	96.0	96.1	96.1	96.2	96.3	96.4	96.5	96.5
28.2	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.6
28.4	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.5	96.6	96.7
28.6	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.5	96.6	96.7	96.7
28.8	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	96.8
29.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	96.8
29.2	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	96.9
29.4	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	96.9
29.6	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.0
29.8	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.1
30.0	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.2
30.2	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.3
30.4	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.4
30.6	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.5
30.8	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	97.6
31.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	97.7
31.2	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	97.8
31.4	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	97.9
31.6	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.0
31.8	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.1
32.0	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.2
32.2	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.3
32.4	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.4
32.6	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.5
32.8	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	98.6
33.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	98.7
33.2	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	98.8
33.4	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	98.9
33.6	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.0
33.8	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.1
34.0	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.2
34.2	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.3
34.4	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.4
34.6	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.5
34.8	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	99.6
35.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0	99.7

TABLE A-1 CONTINUED

TEMP DEG C	10.50	10.51	10.52	10.53	10.54	PH 10.55	10.56	10.57	10.58	10.59	10.60
35.0	97.3	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8
35.2	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9
35.4	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9
35.6	97.4	97.5	97.5	97.6	97.6	97.7	97.8	97.8	97.9	97.9	98.0
36.0	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.9	97.9	97.9	98.0
36.2	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.9	97.9	98.0	98.0
36.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0
36.6	97.5	97.6	97.6	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.1
36.8	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.1
37.0	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1
37.2	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1
37.4	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.1	98.1	98.2	98.2
37.6	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
37.8	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
38.0	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
38.2	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2
38.4	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3
38.6	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3
38.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3
39.0	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
39.2	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.3	98.3	98.4	98.4
39.4	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4
39.6	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4
39.8	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4
40.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4

TABLE PAGE 337

TABLE A-1 CONTINUED

TEMP DEG C	10.60	10.61	10.62	10.63	10.64	PM 10.65	10.66	10.67	10.68	10.69	10.70
0	76.7	77.1	77.5	77.9	78.3	78.7	79.1	79.5	79.8	80.2	80.6
2	77.0	77.4	77.8	78.2	78.6	79.0	79.4	79.7	80.1	80.5	80.8
4	77.3	77.7	78.1	78.5	78.9	79.3	79.6	80.0	80.4	80.7	81.1
6	77.6	78.0	78.4	78.8	79.1	79.5	79.9	80.3	80.6	81.0	81.3
8	77.9	78.3	78.7	79.0	79.4	79.8	80.2	80.5	80.9	81.2	81.6
10	78.2	78.6	78.9	79.3	79.7	80.1	80.4	80.8	81.1	81.5	81.8
12	78.4	78.8	79.2	79.6	80.0	80.3	80.7	81.0	81.4	81.7	82.1
14	78.7	79.1	79.5	79.9	80.3	80.6	81.0	81.3	81.7	82.0	82.3
16	79.0	79.4	79.8	80.1	80.5	80.9	81.2	81.6	81.9	82.2	82.6
18	79.3	79.7	80.0	80.4	80.8	81.1	81.5	81.8	82.1	82.5	82.8
20	79.6	79.9	80.3	80.7	81.0	81.4	81.7	82.1	82.4	82.7	83.0
22	79.8	80.2	80.6	80.9	81.3	81.6	82.0	82.3	82.6	83.0	83.3
24	80.1	80.5	80.8	81.2	81.5	81.9	82.2	82.5	82.8	83.2	83.5
26	80.3	80.7	81.1	81.4	81.8	82.1	82.4	82.7	83.0	83.4	83.7
28	80.6	81.0	81.3	81.7	82.0	82.3	82.6	83.0	83.3	83.7	84.0
30	80.9	81.2	81.6	81.9	82.2	82.5	82.8	83.2	83.5	83.9	84.2
32	81.1	81.5	81.8	82.2	82.5	82.8	83.1	83.5	83.8	84.2	84.5
34	81.4	81.7	82.1	82.4	82.7	83.1	83.4	83.7	84.1	84.4	84.7
36	81.6	82.0	82.3	82.6	83.0	83.3	83.6	84.0	84.3	84.7	85.0
38	81.9	82.2	82.5	82.8	83.2	83.5	83.8	84.2	84.5	84.9	85.2
40	82.1	82.4	82.7	83.1	83.4	83.7	84.1	84.4	84.7	85.1	85.4
42	82.3	82.6	83.0	83.3	83.6	84.0	84.3	84.6	84.9	85.3	85.6
44	82.6	82.9	83.2	83.5	83.8	84.2	84.5	84.8	85.1	85.5	85.8
46	82.8	83.1	83.4	83.7	84.0	84.4	84.7	85.0	85.3	85.7	86.0
48	83.1	83.4	83.7	84.0	84.3	84.6	85.0	85.3	85.6	86.0	86.3
50	83.3	83.6	83.9	84.2	84.5	84.8	85.2	85.5	85.8	86.2	86.5
52	83.6	83.9	84.2	84.5	84.8	85.1	85.5	85.8	86.1	86.5	86.8
54	83.8	84.1	84.4	84.7	85.0	85.3	85.7	86.0	86.3	86.7	87.0
56	84.1	84.4	84.7	85.0	85.3	85.6	86.0	86.3	86.6	87.0	87.3
58	84.3	84.6	84.9	85.2	85.5	85.8	86.2	86.5	86.8	87.2	87.5
60	84.6	84.9	85.2	85.5	85.8	86.1	86.5	86.8	87.1	87.5	87.8
62	84.8	85.1	85.4	85.7	86.0	86.3	86.7	87.0	87.3	87.7	88.0
64	85.1	85.4	85.7	86.0	86.3	86.6	87.0	87.3	87.6	88.0	88.3
66	85.3	85.6	85.9	86.2	86.5	86.8	87.2	87.5	87.8	88.2	88.5
68	85.6	85.9	86.2	86.5	86.8	87.1	87.5	87.8	88.1	88.5	88.8
70	85.8	86.1	86.4	86.7	87.0	87.3	87.7	88.0	88.3	88.7	89.0

TEMP DEG C	10.60	10.61	10.62	10.63	10.64	PH 10.65	10.66	10.67	10.68	10.69	10.70
7.0	85.4	85.7	86.0	86.2	86.5	86.8	87.0	87.3	87.5	87.8	88.0
7.2	85.6	85.9	86.2	86.6	86.9	87.0	87.2	87.5	87.7	88.0	88.2
7.4	85.8	86.1	86.5	86.6	86.7	87.1	87.4	87.6	87.8	88.1	88.4
7.6	86.0	86.3	86.5	86.8	87.1	87.3	87.6	87.8	88.1	88.3	88.5
7.8	86.2	86.6	86.9	87.2	87.4	87.7	87.9	88.2	88.4	88.5	88.7
8.0	86.4	86.8	87.1	87.2	87.4	87.7	87.9	88.2	88.4	88.5	88.7
8.2	86.5	86.8	87.1	87.3	87.6	87.8	88.1	88.3	88.6	88.9	89.0
8.4	86.7	87.0	87.3	87.5	87.9	88.0	88.2	88.5	88.7	88.9	89.2
8.6	86.9	87.2	87.6	87.7	88.1	88.2	88.4	88.6	88.9	89.1	89.3
8.8	87.1	87.4	87.8	88.0	88.3	88.5	88.7	88.9	89.2	89.4	89.5
9.0	87.3	87.5	87.9	88.2	88.5	88.7	88.9	89.0	89.2	89.4	89.5
9.2	87.4	87.7	88.1	88.4	88.7	88.9	89.0	89.1	89.3	89.5	89.8
9.4	87.6	87.9	88.3	88.5	88.8	89.0	89.2	89.4	89.5	89.7	89.9
9.6	87.8	88.1	88.4	88.7	89.0	89.1	89.3	89.4	89.5	89.7	89.9
9.8	88.0	88.2	88.5	88.8	89.0	89.1	89.3	89.4	89.5	89.7	89.9
10.0	88.1	88.3	88.6	88.9	89.0	89.1	89.3	89.4	89.5	89.7	89.9
10.2	88.3	88.5	88.8	89.0	89.2	89.4	89.6	89.7	89.8	89.9	90.0
10.4	88.4	88.6	88.9	89.1	89.3	89.5	89.7	89.8	89.9	90.0	90.1
10.6	88.5	88.7	89.0	89.2	89.4	89.6	89.8	89.9	90.0	90.1	90.2
10.8	88.6	88.8	89.1	89.3	89.5	89.7	89.9	90.0	90.1	90.2	90.3
11.0	88.7	88.9	89.2	89.4	89.6	89.8	90.0	90.1	90.2	90.3	90.4
11.2	88.8	89.0	89.3	89.5	89.7	89.9	90.1	90.2	90.3	90.4	90.5
11.4	88.9	89.1	89.4	89.6	89.8	90.0	90.2	90.3	90.4	90.5	90.6
11.6	89.0	89.2	89.5	89.7	89.9	90.1	90.3	90.4	90.5	90.6	90.7
11.8	89.1	89.3	89.6	89.8	90.0	90.2	90.4	90.5	90.6	90.7	90.8
12.0	89.2	89.4	89.7	89.9	90.1	90.3	90.5	90.6	90.7	90.8	90.9
12.2	89.3	89.5	89.8	90.0	90.2	90.4	90.6	90.7	90.8	90.9	91.0
12.4	89.4	89.6	89.9	90.1	90.3	90.5	90.7	90.8	90.9	91.0	91.1
12.6	89.5	89.7	90.0	90.2	90.4	90.6	90.8	90.9	91.0	91.1	91.2
12.8	89.6	89.8	90.1	90.3	90.5	90.7	90.9	91.0	91.1	91.2	91.3
13.0	89.7	89.9	90.2	90.4	90.6	90.8	91.0	91.1	91.2	91.3	91.4
13.2	89.8	90.0	90.3	90.5	90.7	90.9	91.1	91.2	91.3	91.4	91.5
13.4	89.9	90.1	90.4	90.6	90.8	91.0	91.2	91.3	91.4	91.5	91.6
13.6	90.0	90.2	90.5	90.7	90.9	91.1	91.3	91.4	91.5	91.6	91.7
13.8	90.1	90.3	90.6	90.8	91.0	91.2	91.4	91.5	91.6	91.7	91.8
14.0	90.2	90.4	90.7	90.9	91.1	91.3	91.5	91.6	91.7	91.8	91.9

TABLE A-1 CONTINUED

TEMP DEG C	10.60	10.61	10.62	10.63	10.64	PH 10.65	10.66	10.67	10.68	10.69	10.70
14.0	91.0	91.2	91.4	91.5	91.7	91.9	92.1	92.2	92.4	92.6	92.7
14.2	91.1	91.3	91.5	91.7	91.8	92.0	92.2	92.3	92.5	92.7	92.8
14.4	91.2	91.4	91.6	91.8	91.9	92.1	92.3	92.4	92.6	92.8	92.9
14.6	91.3	91.5	91.7	91.9	92.0	92.2	92.4	92.5	92.7	92.9	93.0
14.8	91.4	91.6	91.8	92.0	92.1	92.3	92.5	92.6	92.8	93.0	93.1
15.0	91.5	91.7	91.9	92.1	92.2	92.4	92.6	92.7	92.9	93.1	93.2
15.2	91.6	91.8	92.0	92.2	92.3	92.5	92.7	92.8	93.0	93.2	93.3
15.4	91.7	91.9	92.1	92.3	92.4	92.6	92.8	92.9	93.1	93.3	93.4
15.6	91.8	92.0	92.2	92.4	92.5	92.7	92.9	93.0	93.2	93.4	93.5
15.8	91.9	92.1	92.3	92.5	92.6	92.8	93.0	93.1	93.3	93.5	93.6
16.0	92.0	92.2	92.4	92.6	92.7	92.9	93.1	93.2	93.4	93.6	93.7
16.2	92.1	92.3	92.5	92.7	92.8	93.0	93.2	93.3	93.5	93.7	93.8
16.4	92.2	92.4	92.6	92.8	92.9	93.1	93.3	93.4	93.6	93.8	93.9
16.6	92.3	92.5	92.7	92.9	93.0	93.2	93.4	93.5	93.7	93.9	94.0
16.8	92.4	92.6	92.8	93.0	93.1	93.3	93.5	93.6	93.8	94.0	94.1
17.0	92.5	92.7	92.9	93.1	93.2	93.4	93.6	93.7	93.9	94.1	94.2
17.2	92.6	92.8	93.0	93.2	93.3	93.5	93.7	93.8	94.0	94.2	94.3
17.4	92.7	92.9	93.1	93.3	93.4	93.6	93.8	93.9	94.1	94.3	94.4
17.6	92.8	93.0	93.2	93.4	93.5	93.7	93.9	94.0	94.2	94.4	94.5
17.8	92.9	93.1	93.3	93.5	93.6	93.8	94.0	94.1	94.3	94.5	94.6
18.0	93.0	93.2	93.4	93.6	93.7	93.9	94.1	94.2	94.4	94.6	94.7
18.2	93.1	93.3	93.5	93.7	93.8	94.0	94.2	94.3	94.5	94.7	94.8
18.4	93.2	93.4	93.6	93.8	93.9	94.1	94.3	94.4	94.6	94.8	94.9
18.6	93.3	93.5	93.7	93.9	94.0	94.2	94.4	94.5	94.7	94.9	95.0
18.8	93.4	93.6	93.8	94.0	94.1	94.3	94.5	94.6	94.8	95.0	95.1
19.0	93.5	93.7	93.9	94.1	94.2	94.4	94.6	94.7	94.9	95.1	95.2
19.2	93.6	93.8	94.0	94.2	94.3	94.5	94.7	94.8	95.0	95.2	95.3
19.4	93.7	93.9	94.1	94.3	94.4	94.6	94.8	94.9	95.1	95.3	95.4
19.6	93.8	94.0	94.2	94.4	94.5	94.7	94.9	95.0	95.2	95.4	95.5
19.8	93.9	94.1	94.3	94.5	94.6	94.8	95.0	95.1	95.3	95.5	95.6
20.0	94.0	94.2	94.4	94.6	94.7	94.9	95.1	95.2	95.4	95.6	95.7
20.2	94.1	94.3	94.5	94.7	94.8	95.0	95.2	95.3	95.5	95.7	95.8
20.4	94.2	94.4	94.6	94.8	94.9	95.1	95.3	95.4	95.6	95.8	95.9
20.6	94.3	94.5	94.7	94.9	95.0	95.2	95.4	95.5	95.7	95.9	96.0
20.8	94.4	94.6	94.8	95.0	95.1	95.3	95.5	95.6	95.8	96.0	96.1
21.0	94.5	94.7	94.9	95.1	95.2	95.4	95.6	95.7	95.9	96.1	96.2

TABLE A-1 CONTINUED

TEMP DEG C	10.60	10.61	10.62	10.63	10.64	PH 10.65	10.66	10.67	10.68	10.69	10.70
21.0	94.4	94.6	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5
21.2	94.5	94.7	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6
21.4	94.6	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7
21.6	94.7	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8
21.8	94.8	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8
22.0	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9
22.2	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0
22.4	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1
22.6	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2
22.8	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3
23.0	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4
23.2	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5
23.4	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6
23.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7
23.8	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8
24.0	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9
24.2	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0
24.4	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1
24.6	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2
24.8	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3
25.0	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4
25.2	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5
25.4	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6
25.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7
25.8	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8
26.0	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9
26.2	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0
26.4	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1
26.6	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2
26.8	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3
27.0	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4
27.2	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5
27.4	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6
27.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7
27.8	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8
28.0	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9

TABLE PAGE 341

TABLE A-1 CONTINUED

TEMP DEG C	10.60	10.61	10.62	10.63	10.64	PH 10.65	10.66	10.67	10.68	10.69	10.70
28.0	96.5	96.6	96.7	96.8	96.8	96.9	97.0	97.0	97.1	97.2	97.2
28.2	96.6	96.7	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.2	97.3
28.4	96.7	96.8	96.9	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.3
28.6	96.8	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.4
28.8	96.9	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.5
29.0	97.0	97.1	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.6
29.2	97.1	97.2	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.7
29.4	97.2	97.3	97.4	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.8
29.6	97.3	97.4	97.5	97.6	97.6	97.7	97.8	97.8	97.9	97.9	97.9
29.8	97.4	97.5	97.6	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.0
30.0	97.5	97.6	97.7	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.1
30.2	97.6	97.7	97.8	97.9	97.9	98.0	98.1	98.1	98.2	98.2	98.2
30.4	97.7	97.8	97.9	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.3
30.6	97.8	97.9	98.0	98.1	98.1	98.2	98.3	98.3	98.4	98.4	98.4
30.8	97.9	98.0	98.1	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5
31.0	98.0	98.1	98.2	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.6
31.2	98.1	98.2	98.3	98.4	98.4	98.5	98.6	98.6	98.7	98.7	98.7
31.4	98.2	98.3	98.4	98.5	98.5	98.6	98.7	98.7	98.8	98.8	98.8
31.6	98.3	98.4	98.5	98.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9
31.8	98.4	98.5	98.6	98.7	98.7	98.8	98.9	98.9	99.0	99.0	99.0
32.0	98.5	98.6	98.7	98.8	98.8	98.9	99.0	99.0	99.1	99.1	99.1
32.2	98.6	98.7	98.8	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.2
32.4	98.7	98.8	98.9	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.3
32.6	98.8	98.9	99.0	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4
32.8	98.9	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.5
33.0	99.0	99.1	99.2	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.6
33.2	99.1	99.2	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.7
33.4	99.2	99.3	99.4	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.8
33.6	99.3	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9
33.8	99.4	99.5	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.0
34.0	99.5	99.6	99.7	99.8	99.8	99.9	100.0	100.0	100.1	100.1	100.1
34.2	99.6	99.7	99.8	99.9	99.9	100.0	100.1	100.1	100.2	100.2	100.2
34.4	99.7	99.8	99.9	100.0	100.0	100.1	100.2	100.2	100.3	100.3	100.3
34.6	99.8	99.9	100.0	100.1	100.1	100.2	100.3	100.3	100.4	100.4	100.4
34.8	99.9	100.0	100.1	100.2	100.2	100.3	100.4	100.4	100.5	100.5	100.5
35.0	100.0	100.1	100.2	100.3	100.3	100.4	100.5	100.5	100.6	100.6	100.6

TABLE A-1 CONTINUED

TEMP DEG C	10.60	10.61	10.62	10.63	10.64	PH 10.65	10.66	10.67	10.68	10.69	10.70
35.0	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3
35.2	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3
35.4	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3
35.6	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3
35.8	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4
36.0	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4
36.2	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4
36.4	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4
36.6	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5
36.8	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5
37.0	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.5
37.2	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.5
37.4	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5
37.6	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5
37.8	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.6
38.0	98.2	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6
38.2	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6
38.4	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7
38.6	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7
38.8	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7
39.0	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7
39.2	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7
39.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7
39.6	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7
40.0	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7

TABLE A-1 CONTINUED

TEMP DEG C	10.70	10.71	10.72	10.73	10.74	PH 10.75	10.76	10.77	10.78	10.79	10.80
0	80.68	80.9	81.3	81.6	82.0	82.3	82.6	83.0	83.5	83.6	83.9
1	80.8	81.2	81.5	81.9	82.3	82.5	82.9	83.4	83.7	83.8	84.1
2	81.1	81.4	81.8	82.2	82.5	82.8	83.1	83.5	83.7	84.1	84.4
3	81.3	81.7	82.0	82.4	82.7	83.0	83.3	83.7	84.0	84.3	84.6
4	81.6	82.0	82.3	82.6	83.0	83.3	83.6	84.1	84.4	84.5	84.8
5	81.8	82.2	82.5	82.8	83.2	83.5	83.8	84.1	84.4	84.7	85.0
6	82.1	82.4	82.8	83.1	83.4	83.7	84.0	84.3	84.6	84.9	85.2
7	82.3	82.7	83.0	83.3	83.6	83.9	84.3	84.6	84.9	85.1	85.4
8	82.6	83.0	83.3	83.6	83.9	84.2	84.5	84.8	85.1	85.4	85.6
9	82.8	83.3	83.5	83.8	84.1	84.4	84.7	85.0	85.3	85.5	85.8
10	83.0	83.4	83.7	84.0	84.3	84.6	84.9	85.2	85.5	85.8	86.0
11	83.3	83.7	84.0	84.3	84.6	84.9	85.2	85.5	85.8	86.1	86.4
12	83.5	83.9	84.2	84.5	84.8	85.1	85.4	85.7	86.0	86.3	86.6
13	83.7	84.1	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.5	86.8
14	84.0	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.5	86.8	87.0
15	84.2	84.6	84.9	85.2	85.5	85.8	86.1	86.4	86.7	87.0	87.3
16	84.4	84.8	85.1	85.4	85.7	86.0	86.3	86.6	86.9	87.2	87.5
17	84.6	85.0	85.3	85.6	85.9	86.2	86.5	86.8	87.1	87.4	87.7
18	84.8	85.2	85.5	85.8	86.1	86.4	86.7	87.0	87.3	87.6	87.9
19	85.0	85.4	85.7	86.0	86.3	86.6	86.9	87.2	87.5	87.8	88.1
20	85.2	85.6	85.9	86.2	86.5	86.8	87.1	87.4	87.7	88.0	88.3
21	85.4	85.8	86.1	86.4	86.7	87.0	87.3	87.6	87.9	88.2	88.5
22	85.6	86.0	86.3	86.6	86.9	87.2	87.5	87.8	88.1	88.4	88.7
23	85.8	86.2	86.5	86.8	87.1	87.4	87.7	88.0	88.3	88.6	88.9
24	86.0	86.4	86.7	87.0	87.3	87.6	87.9	88.2	88.5	88.8	89.1
25	86.2	86.6	86.9	87.2	87.5	87.8	88.1	88.4	88.7	89.0	89.3
26	86.4	86.8	87.1	87.4	87.7	88.0	88.3	88.6	88.9	89.2	89.5
27	86.6	87.0	87.3	87.6	87.9	88.2	88.5	88.8	89.1	89.4	89.7
28	86.8	87.2	87.5	87.8	88.1	88.4	88.7	89.0	89.3	89.6	89.9
29	87.0	87.4	87.7	88.0	88.3	88.6	88.9	89.2	89.5	89.8	90.1
30	87.2	87.6	87.9	88.2	88.5	88.8	89.1	89.4	89.7	90.0	90.3
31	87.4	87.8	88.1	88.4	88.7	89.0	89.3	89.6	89.9	90.2	90.5
32	87.6	88.0	88.3	88.6	88.9	89.2	89.5	89.8	90.1	90.4	90.7
33	87.8	88.2	88.5	88.8	89.1	89.4	89.7	90.0	90.3	90.6	90.9
34	88.0	88.4	88.7	89.0	89.3	89.6	89.9	90.2	90.5	90.8	91.1
35	88.2	88.6	88.9	89.2	89.5	89.8	90.1	90.4	90.7	91.0	91.3
36	88.4	88.8	89.1	89.4	89.7	90.0	90.3	90.6	90.9	91.2	91.5
37	88.6	89.0	89.3	89.6	89.9	90.2	90.5	90.8	91.1	91.4	91.7
38	88.8	89.2	89.5	89.8	90.1	90.4	90.7	91.0	91.3	91.6	91.9
39	89.0	89.4	89.7	90.0	90.3	90.6	90.9	91.2	91.5	91.8	92.1
40	89.2	89.6	89.9	90.2	90.5	90.8	91.1	91.4	91.7	92.0	92.3
41	89.4	89.8	90.1	90.4	90.7	91.0	91.3	91.6	91.9	92.2	92.5
42	89.6	90.0	90.3	90.6	90.9	91.2	91.5	91.8	92.1	92.4	92.7
43	89.8	90.2	90.5	90.8	91.1	91.4	91.7	92.0	92.3	92.6	92.9
44	90.0	90.4	90.7	91.0	91.3	91.6	91.9	92.2	92.5	92.8	93.1
45	90.2	90.6	90.9	91.2	91.5	91.8	92.1	92.4	92.7	93.0	93.3
46	90.4	90.8	91.1	91.4	91.7	92.0	92.3	92.6	92.9	93.2	93.5
47	90.6	91.0	91.3	91.6	91.9	92.2	92.5	92.8	93.1	93.4	93.7
48	90.8	91.2	91.5	91.8	92.1	92.4	92.7	93.0	93.3	93.6	93.9
49	91.0	91.4	91.7	92.0	92.3	92.6	92.9	93.2	93.5	93.8	94.1
50	91.2	91.6	91.9	92.2	92.5	92.8	93.1	93.4	93.7	94.0	94.3

TABLE A-1 CONTINUED

TEMP DEG C	10.70	10.71	10.72	10.73	10.74	PH 10.75	10.76	10.77	10.78	10.79	10.80
7.0	88.0	88.3	88.5	88.7	89.0	89.2	89.4	89.6	89.8	90.1	90.3
7.2	88.2	88.4	88.7	88.9	89.1	89.4	89.6	89.8	90.0	90.2	90.4
7.4	88.4	88.6	88.8	89.1	89.3	89.5	89.7	89.9	90.1	90.3	90.5
7.6	88.5	88.8	89.0	89.2	89.4	89.7	89.9	90.1	90.3	90.5	90.7
7.8	88.7	88.9	89.2	89.5	89.7	89.8	90.0	90.2	90.4	90.6	90.8
8.0	88.9	89.1	89.3	89.5	89.7	89.9	90.2	90.4	90.6	90.7	90.9
8.2	89.0	89.2	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1
8.4	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2
8.6	89.3	89.5	89.7	89.9	90.1	90.4	90.6	90.8	91.0	91.1	91.3
8.8	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5
9.0	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6
9.2	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8
9.4	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9
9.6	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0
9.8	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2
10.0	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3
10.2	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5
10.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6
10.6	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7
10.8	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9
11.0	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0
11.2	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1
11.4	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2
11.6	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3
11.8	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4
12.0	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5
12.2	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6
12.4	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7
12.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8
12.8	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9
13.0	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0
13.2	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1
13.4	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2
13.6	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3
13.8	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4
14.0	92.5	92.7	92.9	93.1	93.3	93.5	93.7	93.9	94.1	94.3	94.5

TABLE A-1 CONTINUED

TEMP DEG C	10.70	10.71	10.72	10.73	10.74	PH	10.75	10.76	10.77	10.78	10.79	10.80
14.0	92.7	92.9	93.0	93.2	93.3	93.5	93.5	93.6	93.7	93.9	94.0	94.1
14.2	92.8	93.0	93.1	93.3	93.4	93.6	93.6	93.7	93.8	94.0	94.1	94.2
14.4	92.9	93.1	93.2	93.4	93.5	93.7	93.7	93.8	93.9	94.1	94.2	94.3
14.6	93.0	93.2	93.3	93.5	93.6	93.8	93.8	93.9	94.0	94.2	94.3	94.4
14.8	93.1	93.3	93.4	93.6	93.7	93.9	93.9	94.0	94.1	94.3	94.4	94.5
15.0	93.2	93.4	93.5	93.7	93.8	94.0	94.0	94.1	94.2	94.4	94.5	94.6
15.2	93.3	93.5	93.6	93.8	93.9	94.1	94.1	94.2	94.3	94.5	94.6	94.7
15.4	93.5	93.6	93.7	93.9	94.0	94.2	94.2	94.3	94.4	94.6	94.7	94.8
15.6	93.6	93.7	93.8	94.0	94.1	94.3	94.3	94.4	94.5	94.7	94.8	94.9
16.0	93.7	93.8	93.9	94.1	94.2	94.4	94.4	94.5	94.6	94.8	94.9	95.0
16.2	93.8	94.0	94.1	94.2	94.3	94.5	94.5	94.6	94.7	94.9	95.0	95.1
16.4	93.9	94.1	94.2	94.3	94.4	94.6	94.6	94.7	94.8	95.0	95.1	95.2
16.6	94.0	94.2	94.3	94.4	94.5	94.7	94.7	94.8	94.9	95.1	95.2	95.3
17.0	94.1	94.3	94.4	94.5	94.6	94.8	94.8	94.9	95.0	95.2	95.3	95.4
17.2	94.2	94.4	94.5	94.6	94.7	94.9	94.9	95.0	95.1	95.3	95.4	95.5
17.4	94.3	94.5	94.6	94.7	94.8	95.0	95.0	95.1	95.2	95.4	95.5	95.6
17.6	94.4	94.6	94.7	94.8	94.9	95.1	95.1	95.2	95.3	95.5	95.6	95.7
17.8	94.5	94.7	94.8	94.9	95.0	95.2	95.2	95.3	95.4	95.6	95.7	95.8
18.0	94.6	94.8	94.9	95.0	95.1	95.3	95.3	95.4	95.5	95.7	95.8	95.9
18.2	94.7	94.9	95.0	95.1	95.2	95.4	95.4	95.5	95.6	95.8	95.9	96.0
18.4	94.8	95.0	95.1	95.2	95.3	95.5	95.5	95.6	95.7	95.9	96.0	96.1
18.6	94.9	95.1	95.2	95.3	95.4	95.6	95.6	95.7	95.8	96.0	96.1	96.2
19.0	95.0	95.2	95.3	95.4	95.5	95.7	95.7	95.8	95.9	96.1	96.2	96.3
19.2	95.1	95.3	95.4	95.5	95.6	95.8	95.8	95.9	96.0	96.2	96.3	96.4
19.4	95.2	95.4	95.5	95.6	95.7	95.9	95.9	96.0	96.1	96.3	96.4	96.5
19.6	95.3	95.5	95.6	95.7	95.8	96.0	96.0	96.1	96.2	96.4	96.5	96.6
20.0	95.4	95.6	95.7	95.8	95.9	96.1	96.1	96.2	96.3	96.5	96.6	96.7
20.2	95.5	95.7	95.8	95.9	96.0	96.2	96.2	96.3	96.4	96.6	96.7	96.8
20.4	95.6	95.8	95.9	96.0	96.1	96.3	96.3	96.4	96.5	96.7	96.8	96.9
20.6	95.7	95.9	96.0	96.1	96.2	96.4	96.4	96.5	96.6	96.8	96.9	97.0
21.0	95.8	96.0	96.1	96.2	96.3	96.5	96.5	96.6	96.7	96.9	97.0	97.1

TABLE A-1 CONTINUED

TABLE PAGE 346

TEMP DEG C	10.70	10.71	10.72	10.73	10.74	PH 10.75	10.76	10.77	10.78	10.79	10.80
21.0	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5
21.2	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6
21.4	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7
21.6	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8
21.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9
22.0	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0
22.2	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1
22.4	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2
22.6	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3
22.8	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4
23.0	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5
23.2	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6
23.4	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7
23.6	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8
23.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9
24.0	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0
24.2	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1
24.4	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2
24.6	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3
24.8	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4
25.0	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5
25.2	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6
25.4	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7
25.6	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8
25.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9
26.0	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0
26.2	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1
26.4	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2
26.6	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3
26.8	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4
27.0	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5
27.2	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6
27.4	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7
27.6	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8
27.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9

TABLE A-1 CONTINUED

TEMP DEG C	10.70	10.71	10.72	10.73	10.74	PH	10.76	10.77	10.78	10.79	10.80
28.0	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8
28.2	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9
28.4	97.3	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9
28.6	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9
29.0	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9
29.2	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0
29.4	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0
29.6	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0
29.8	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0
30.0	97.6	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1
30.2	97.6	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1
30.4	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2
30.6	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2
30.8	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2
31.0	97.8	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
31.2	97.8	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
31.4	97.8	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
31.6	97.9	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4
31.8	97.9	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4
32.0	97.9	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4
32.2	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
32.4	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
32.6	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
32.8	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
33.0	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
33.2	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
33.4	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
33.6	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
33.8	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
34.0	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
34.2	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
34.4	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
34.6	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
34.8	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
35.0	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5

TABLE A-1 CONTINUED

TEMP DEG C	10.70	10.71	10.72	10.73	10.74	PH 10.75	10.76	10.77	10.78	10.79	10.80
35.0	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6
35.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
35.4	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7
35.6	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7
35.8	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7
36.0	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7
36.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.8
36.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.8	98.8
36.6	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.8	98.8
36.8	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8
37.0	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
37.2	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
37.4	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
37.6	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
37.8	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9
38.0	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
38.2	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
38.4	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
38.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
38.8	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
39.0	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
39.2	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
39.4	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
39.6	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
39.8	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
40.0	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TABLE PAGE 349

TEMP DEG C	10.80	10.81	10.82	10.83	10.84	PH 10.85	10.86	10.87	10.88	10.89	10.90
0	83.9	84.2	84.5	84.8	85.1	85.4	85.7	86.0	86.2	86.5	86.8
1	84.1	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.4	86.7	87.0
2	84.4	84.7	85.0	85.3	85.6	85.9	86.2	86.5	86.7	87.0	87.3
3	84.6	84.9	85.2	85.5	85.8	86.1	86.4	86.7	86.9	87.2	87.5
4	84.8	85.1	85.4	85.7	86.0	86.3	86.6	86.9	87.1	87.4	87.7
5	85.0	85.3	85.6	85.9	86.2	86.5	86.8	87.0	87.3	87.6	87.9
6	85.2	85.5	85.8	86.1	86.4	86.7	87.0	87.3	87.5	87.8	88.1
7	85.4	85.7	86.0	86.3	86.6	86.9	87.2	87.5	87.7	88.0	88.3
8	85.6	85.9	86.2	86.5	86.8	87.1	87.4	87.7	87.9	88.2	88.5
9	85.8	86.1	86.4	86.7	87.0	87.3	87.6	87.9	88.1	88.4	88.7
10	86.0	86.3	86.6	86.9	87.2	87.5	87.8	88.1	88.3	88.6	88.9
11	86.2	86.5	86.8	87.1	87.4	87.7	88.0	88.3	88.5	88.8	89.1
12	86.4	86.7	87.0	87.3	87.6	87.9	88.2	88.5	88.7	89.0	89.3
13	86.6	86.9	87.2	87.5	87.8	88.1	88.4	88.7	88.9	89.2	89.5
14	86.8	87.1	87.4	87.7	88.0	88.3	88.6	88.9	89.1	89.4	89.7
15	87.0	87.3	87.6	87.9	88.2	88.5	88.8	89.1	89.3	89.6	89.9
16	87.2	87.5	87.8	88.1	88.4	88.7	89.0	89.3	89.5	89.8	90.1
17	87.4	87.7	88.0	88.3	88.6	88.9	89.2	89.5	89.7	90.0	90.3
18	87.6	87.9	88.2	88.5	88.8	89.1	89.4	89.7	89.9	90.2	90.5
19	87.8	88.1	88.4	88.7	89.0	89.3	89.6	89.9	90.1	90.4	90.7
20	88.0	88.3	88.6	88.9	89.2	89.5	89.8	90.1	90.3	90.6	90.9
21	88.2	88.5	88.8	89.1	89.4	89.7	90.0	90.3	90.5	90.8	91.1
22	88.4	88.7	89.0	89.3	89.6	89.9	90.2	90.5	90.7	91.0	91.3
23	88.6	88.9	89.2	89.5	89.8	90.1	90.4	90.7	90.9	91.2	91.5
24	88.8	89.1	89.4	89.7	90.0	90.3	90.6	90.9	91.1	91.4	91.7
25	89.0	89.3	89.6	89.9	90.2	90.5	90.8	91.1	91.3	91.6	91.9
26	89.2	89.5	89.8	90.1	90.4	90.7	91.0	91.3	91.5	91.8	92.1
27	89.4	89.7	90.0	90.3	90.6	90.9	91.2	91.5	91.7	92.0	92.3
28	89.6	89.9	90.2	90.5	90.8	91.1	91.4	91.7	91.9	92.2	92.5
29	89.8	90.1	90.4	90.7	91.0	91.3	91.6	91.9	92.1	92.4	92.7
30	90.0	90.3	90.6	90.9	91.2	91.5	91.8	92.1	92.3	92.6	92.9
31	90.2	90.5	90.8	91.1	91.4	91.7	92.0	92.3	92.5	92.8	93.1
32	90.4	90.7	91.0	91.3	91.6	91.9	92.2	92.5	92.7	93.0	93.3
33	90.6	90.9	91.2	91.5	91.8	92.1	92.4	92.7	92.9	93.2	93.5
34	90.8	91.1	91.4	91.7	92.0	92.3	92.6	92.9	93.1	93.4	93.7
35	91.0	91.3	91.6	91.9	92.2	92.5	92.8	93.1	93.3	93.6	93.9
36	91.2	91.5	91.8	92.1	92.4	92.7	93.0	93.3	93.5	93.8	94.1
37	91.4	91.7	92.0	92.3	92.6	92.9	93.2	93.5	93.7	94.0	94.3
38	91.6	91.9	92.2	92.5	92.8	93.1	93.4	93.7	93.9	94.2	94.5
39	91.8	92.1	92.4	92.7	93.0	93.3	93.6	93.9	94.1	94.4	94.7
40	92.0	92.3	92.6	92.9	93.2	93.5	93.8	94.1	94.3	94.6	94.9
41	92.2	92.5	92.8	93.1	93.4	93.7	94.0	94.3	94.5	94.8	95.1
42	92.4	92.7	93.0	93.3	93.6	93.9	94.2	94.5	94.7	95.0	95.3
43	92.6	92.9	93.2	93.5	93.8	94.1	94.4	94.7	94.9	95.2	95.5
44	92.8	93.1	93.4	93.7	94.0	94.3	94.6	94.9	95.1	95.4	95.7
45	93.0	93.3	93.6	93.9	94.2	94.5	94.8	95.1	95.3	95.6	95.9
46	93.2	93.5	93.8	94.1	94.4	94.7	95.0	95.3	95.5	95.8	96.1
47	93.4	93.7	94.0	94.3	94.6	94.9	95.2	95.5	95.7	96.0	96.3
48	93.6	93.9	94.2	94.5	94.8	95.1	95.4	95.7	95.9	96.2	96.5
49	93.8	94.1	94.4	94.7	95.0	95.3	95.6	95.9	96.1	96.4	96.7
50	94.0	94.3	94.6	94.9	95.2	95.5	95.8	96.1	96.3	96.6	96.9
51	94.2	94.5	94.8	95.1	95.4	95.7	96.0	96.3	96.5	96.8	97.1
52	94.4	94.7	95.0	95.3	95.6	95.9	96.2	96.5	96.7	97.0	97.3
53	94.6	94.9	95.2	95.5	95.8	96.1	96.4	96.7	96.9	97.2	97.5
54	94.8	95.1	95.4	95.7	96.0	96.3	96.6	96.9	97.1	97.4	97.7
55	95.0	95.3	95.6	95.9	96.2	96.5	96.8	97.1	97.3	97.6	97.9
56	95.2	95.5	95.8	96.1	96.4	96.7	97.0	97.3	97.5	97.8	98.1
57	95.4	95.7	96.0	96.3	96.6	96.9	97.2	97.5	97.7	98.0	98.3
58	95.6	95.9	96.2	96.5	96.8	97.1	97.4	97.7	97.9	98.2	98.5
59	95.8	96.1	96.4	96.7	97.0	97.3	97.6	97.9	98.1	98.4	98.7
60	96.0	96.3	96.6	96.9	97.2	97.5	97.8	98.1	98.3	98.6	98.9
61	96.2	96.5	96.8	97.1	97.4	97.7	98.0	98.3	98.5	98.8	99.1
62	96.4	96.7	97.0	97.3	97.6	97.9	98.2	98.5	98.7	99.0	99.3
63	96.6	96.9	97.2	97.5	97.8	98.1	98.4	98.7	98.9	99.2	99.5
64	96.8	97.1	97.4	97.7	98.0	98.3	98.6	98.9	99.1	99.4	99.7
65	97.0	97.3	97.6	97.9	98.2	98.5	98.8	99.1	99.3	99.6	99.9
66	97.2	97.5	97.8	98.1	98.4	98.7	99.0	99.3	99.5	99.8	100.1
67	97.4	97.7	98.0	98.3	98.6	98.9	99.2	99.5	99.7	100.0	100.3
68	97.6	97.9	98.2	98.5	98.8	99.1	99.4	99.7	99.9	100.2	100.5
69	97.8	98.1	98.4	98.7	99.0	99.3	99.6	99.9	100.1	100.4	100.7
70	98.0	98.3	98.6	98.9	99.2	99.5	99.8	100.1	100.3	100.6	100.9
71	98.2	98.5	98.8	99.1	99.4	99.7	100.0	100.3	100.5	100.8	101.1
72	98.4	98.7	99.0	99.3	99.6	99.9	100.2	100.5	100.7	101.0	101.3
73	98.6	98.9	99.2	99.5	99.8	100.1	100.4	100.7	100.9	101.2	101.5
74	98.8	99.1	99.4	99.7	100.0	100.3	100.6	100.9	101.1	101.4	101.7
75	99.0	99.3	99.6	99.9	100.2	100.5	100.8	101.1	101.3	101.6	101.9
76	99.2	99.5	99.8	100.1	100.4	100.7	101.0	101.3	101.5	101.8	102.1
77	99.4	99.7	100.0	100.3	100.6	100.9	101.2	101.5	101.7	102.0	102.3
78	99.6	99.9	100.2	100.5	100.8	101.1	101.4	101.7	101.9	102.2	102.5
79	99.8	100.1	100.4	100.7	101.0	101.3	101.6	101.9	102.1	102.4	102.7
80	100.0	100.3	100.6	100.9	101.2	101.5	101.8	102.1	102.3	102.6	102.9
81	100.2	100.5	100.8	101.1	101.4	101.7	102.0	102.3	102.5	102.8	103.1
82	100.4	100.7	101.0	101.3	101.6	101.9	102.2	102.5	102.7	103.0	103.3
83	100.6	100.9	101.2	101.5	101.8	102.1	102.4	102.7	102.9	103.2	103.5
84	100.8	101.1	101.4	101.7	102.0	102.3	102.6	102.9	103.1	103.4	103.7
85	101.0	101.3	101.6	101.9	102.2	102.5	102.8	103.1	103.3	103.6	103.9
86	101.2	101.5	101.8	102.1	102.4	102.7	103.0	103.3	103.5	103.8	104.1
87	101.4	101.7	102.0	102.3	102.6	102.9	103.2	103.5	103.7	104.0	104.3
88	101.6	101.9	102.2	102.5	102.8	103.1	103.4	103.7	103.9	104.2	104.5
89	101.8	102.1	102.4	102.7	103.0	103.3	103.6	103.9	104.1	104.4	104.7
90	102.0	102.3	102.6	102.9	103.2	103.5	103.8	104.1	104.3	104.6	104.9
91	102.2	102.5	102.8	103.1	103.4	103.7	104.0	104.3	104.5	104.8	105.1
92	102.4	102.7	103.0	103.3	103.6	103.9	104.2	104.5	104.7	105.0	105.3
93	102.6	102.9	103.2	103.5	103.8	104.1	104.4	104.7	104.9	105.2	105.5
94	102.8	103.1	103.4	103.7	104.0	104.3	104.6	104.9	105.1	105.4	105.7
95	103.0	103.3	103.6	103.9	104.2	104.5	104.8	105.1	105.3	105.6	105.9
96	103.2	103.5	103.8	104.1	104.4	104.7	105.0	105.3	105.5	105.8	106.1
97	103.4	103.7	104.0	104.3	104.6	104.9	105.2	105.5	105.7	106.0	106.3
98	103.6	103.9	104.2	104.5	104.8	105.1	105.4	105.7	105.9	106.2	106.5
99	103.8	104.1	104.4	104.7	105.0	105.3	105.6	105.9	106.1	106.4	106.7
100	104.0	104.3	104.6	104.9	105.2	105.5	105.8	106.1	106.3	106.6	106.9

TABLE A-1 CONTINUED

TABLE PAGE 350

TEMP DEG C	10.80	10.81	10.82	10.83	10.84	PH 10.85	10.86	10.87	10.88	10.89	10.90
7.0	90.3	90.5	90.7	90.0	91.0	91.2	91.4	91.6	91.8	91.9	92.1
7.2	90.4	90.6	90.8	91.0	91.2	91.4	91.5	91.7	91.9	92.1	92.3
7.4	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.8	92.0	92.2	92.4
7.6	90.7	90.9	91.1	91.2	91.4	91.6	91.8	92.0	92.1	92.3	92.5
7.8	90.8	91.0	91.2	91.4	91.7	91.8	92.0	92.2	92.3	92.5	92.7
8.0	90.9	91.1	91.3	91.5	91.7	91.8	92.0	92.2	92.3	92.5	92.7
8.2	91.1	91.3	91.4	91.6	91.8	92.0	92.1	92.3	92.5	92.6	92.8
8.4	91.2	91.4	91.6	91.7	91.9	92.1	92.2	92.4	92.6	92.7	92.9
8.6	91.3	91.5	91.7	91.9	92.0	92.2	92.4	92.5	92.7	92.8	93.0
8.8	91.4	91.6	91.8	92.0	92.1	92.3	92.5	92.6	92.8	92.9	93.1
9.0	91.6	91.7	91.9	92.1	92.3	92.4	92.6	92.7	92.9	93.0	93.2
9.2	91.7	91.9	92.0	92.2	92.4	92.5	92.7	92.8	93.0	93.1	93.3
9.4	91.8	92.0	92.1	92.3	92.5	92.6	92.8	92.9	93.1	93.2	93.4
9.6	91.9	92.1	92.2	92.4	92.6	92.7	92.9	93.0	93.2	93.3	93.5
9.8	92.0	92.2	92.3	92.5	92.7	92.8	93.0	93.1	93.3	93.4	93.6
10.0	92.2	92.3	92.4	92.6	92.8	93.0	93.1	93.2	93.4	93.5	93.7
10.2	92.3	92.4	92.5	92.7	92.9	93.1	93.2	93.3	93.5	93.6	93.8
10.4	92.4	92.5	92.6	92.8	93.0	93.2	93.3	93.4	93.6	93.7	93.9
10.6	92.5	92.6	92.7	92.9	93.1	93.3	93.4	93.5	93.7	93.8	94.0
10.8	92.6	92.7	92.8	93.0	93.2	93.4	93.5	93.6	93.8	93.9	94.1
11.0	92.7	92.8	92.9	93.1	93.3	93.4	93.6	93.7	93.9	94.0	94.2
11.2	92.8	93.0	93.1	93.3	93.5	93.6	93.8	93.9	94.1	94.2	94.4
11.4	92.9	93.1	93.2	93.4	93.6	93.7	93.9	94.0	94.2	94.3	94.5
11.6	93.0	93.2	93.3	93.5	93.7	93.8	94.0	94.1	94.3	94.4	94.6
11.8	93.1	93.3	93.4	93.6	93.8	93.9	94.1	94.2	94.4	94.5	94.7
12.0	93.2	93.4	93.5	93.7	93.9	94.0	94.2	94.3	94.5	94.6	94.8
12.2	93.3	93.5	93.6	93.8	94.0	94.1	94.3	94.4	94.6	94.7	94.9
12.4	93.4	93.6	93.7	93.9	94.1	94.2	94.4	94.5	94.7	94.8	95.0
12.6	93.5	93.7	93.8	94.0	94.2	94.3	94.5	94.6	94.8	94.9	95.1
12.8	93.6	93.8	93.9	94.1	94.3	94.4	94.6	94.7	94.9	95.0	95.2
13.0	93.7	93.9	94.0	94.2	94.4	94.5	94.7	94.8	95.0	95.1	95.3
13.2	93.8	94.0	94.1	94.3	94.5	94.6	94.8	94.9	95.1	95.2	95.4
13.4	93.9	94.1	94.2	94.4	94.6	94.7	94.9	95.0	95.2	95.3	95.5
13.6	94.0	94.2	94.3	94.5	94.7	94.8	95.0	95.1	95.3	95.4	95.6
13.8	94.1	94.3	94.4	94.6	94.8	94.9	95.1	95.2	95.4	95.5	95.7
14.0	94.2	94.4	94.5	94.7	94.9	95.0	95.2	95.3	95.5	95.6	95.8

TEMP DEG C	10.80	10.81	10.82	10.83	10.84	PH 10.85	10.86	10.87	10.88	10.89	10.90
14.0	94.1	94.2	94.4	94.5	94.6	94.7	94.8	95.0	95.1	95.2	95.3
14.2	94.2	94.3	94.5	94.6	94.7	94.8	94.9	95.1	95.2	95.3	95.4
14.4	94.3	94.4	94.6	94.7	94.8	94.9	95.0	95.2	95.3	95.4	95.5
14.6	94.4	94.5	94.7	94.8	94.9	95.0	95.1	95.3	95.4	95.5	95.6
14.8	94.5	94.6	94.8	94.9	95.0	95.1	95.2	95.4	95.5	95.6	95.7
15.0	94.6	94.7	94.9	95.0	95.1	95.2	95.3	95.5	95.6	95.7	95.8
15.2	94.7	94.8	95.0	95.1	95.2	95.3	95.4	95.6	95.7	95.8	95.9
15.4	94.8	94.9	95.1	95.2	95.3	95.4	95.5	95.7	95.8	95.9	96.0
15.6	94.9	95.0	95.2	95.3	95.4	95.5	95.6	95.8	95.9	96.0	96.1
15.8	95.0	95.1	95.3	95.4	95.5	95.6	95.7	95.9	96.0	96.1	96.2
16.0	95.1	95.2	95.4	95.5	95.6	95.7	95.8	96.0	96.1	96.2	96.3
16.2	95.2	95.3	95.5	95.6	95.7	95.8	95.9	96.1	96.2	96.3	96.4
16.4	95.3	95.4	95.6	95.7	95.8	95.9	96.0	96.2	96.3	96.4	96.5
16.6	95.4	95.5	95.7	95.8	95.9	96.0	96.1	96.3	96.4	96.5	96.6
16.8	95.5	95.6	95.8	95.9	96.0	96.1	96.2	96.4	96.5	96.6	96.7
17.0	95.6	95.7	95.9	96.0	96.1	96.2	96.3	96.5	96.6	96.7	96.8
17.2	95.7	95.8	96.0	96.1	96.2	96.3	96.4	96.6	96.7	96.8	96.9
17.4	95.8	95.9	96.1	96.2	96.3	96.4	96.5	96.7	96.8	96.9	97.0
17.6	95.9	96.0	96.2	96.3	96.4	96.5	96.6	96.8	96.9	97.0	97.1
17.8	96.0	96.1	96.3	96.4	96.5	96.6	96.7	96.9	97.0	97.1	97.2
18.0	96.1	96.2	96.4	96.5	96.6	96.7	96.8	97.0	97.1	97.2	97.3
18.2	96.2	96.3	96.5	96.6	96.7	96.8	96.9	97.1	97.2	97.3	97.4
18.4	96.3	96.4	96.6	96.7	96.8	96.9	97.0	97.2	97.3	97.4	97.5
18.6	96.4	96.5	96.7	96.8	96.9	97.0	97.1	97.3	97.4	97.5	97.6
18.8	96.5	96.6	96.8	96.9	97.0	97.1	97.2	97.4	97.5	97.6	97.7
19.0	96.6	96.7	96.9	97.0	97.1	97.2	97.3	97.5	97.6	97.7	97.8
19.2	96.7	96.8	97.0	97.1	97.2	97.3	97.4	97.6	97.7	97.8	97.9
19.4	96.8	96.9	97.1	97.2	97.3	97.4	97.5	97.7	97.8	97.9	98.0
19.6	96.9	97.0	97.2	97.3	97.4	97.5	97.6	97.8	97.9	98.0	98.1
19.8	97.0	97.1	97.3	97.4	97.5	97.6	97.7	97.9	98.0	98.1	98.2
20.0	97.1	97.2	97.4	97.5	97.6	97.7	97.8	98.0	98.1	98.2	98.3
20.2	97.2	97.3	97.5	97.6	97.7	97.8	97.9	98.1	98.2	98.3	98.4
20.4	97.3	97.4	97.6	97.7	97.8	97.9	98.0	98.2	98.3	98.4	98.5
20.6	97.4	97.5	97.7	97.8	97.9	98.0	98.1	98.3	98.4	98.5	98.6
20.8	97.5	97.6	97.8	97.9	98.0	98.1	98.2	98.4	98.5	98.6	98.7
21.0	97.6	97.7	97.9	98.0	98.1	98.2	98.3	98.5	98.6	98.7	98.8

TABLE A-1 CONTINUED

TABLE PAGE 352

TEMP DEG C	10.80	10.81	10.82	10.83	10.84	PH 10.85	10.86	10.87	10.88	10.89	10.90
21.0	96.4	96.5	96.6	96.7	96.7	96.8	96.9	96.9	97.0	97.1	97.1
21.2	96.5	96.6	96.7	96.7	96.8	96.9	97.0	97.0	97.1	97.2	97.2
21.4	96.5	96.6	96.7	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.3
21.6	96.6	96.7	96.8	96.8	96.9	97.0	97.1	97.1	97.2	97.3	97.3
21.8	96.6	96.7	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.3	97.3
22.0	96.7	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.2	97.3	97.4
22.2	96.7	96.8	96.9	97.0	97.0	97.1	97.2	97.2	97.3	97.4	97.4
22.4	96.8	96.9	97.0	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.5
22.6	96.8	96.9	97.0	97.1	97.1	97.2	97.2	97.3	97.4	97.5	97.5
22.8	96.8	97.0	97.2	97.2	97.3	97.3	97.4	97.4	97.5	97.6	97.6
23.0	96.9	97.0	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.7	97.7
23.2	96.9	97.0	97.2	97.3	97.3	97.4	97.5	97.6	97.7	97.8	97.8
23.4	97.0	97.1	97.2	97.3	97.3	97.4	97.5	97.6	97.7	97.8	97.9
23.6	97.0	97.1	97.2	97.3	97.3	97.4	97.5	97.6	97.7	97.8	97.9
23.8	97.1	97.2	97.3	97.4	97.4	97.5	97.6	97.7	97.8	97.9	98.0
24.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.0
24.2	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.1
24.4	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2
24.6	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.2
24.8	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.2
25.0	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.2
25.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.2
25.4	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.3
25.6	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.3
25.8	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.3
26.0	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.4
26.2	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.4
26.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.4
26.6	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.5
26.8	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.5
27.0	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.5
27.2	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.6
27.4	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.6
27.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.6
27.8	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.7
28.0	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.7

TABLE A-1 CONTINUED

TABLE PAGE 353

TEMP DEG C	10.80	10.81	10.82	10.83	10.84	PH 10.85	10.86	10.87	10.88	10.89	10.90
28.0	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2
28.2	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3
28.4	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3
28.6	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.3
28.8	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.4
29.0	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4
29.2	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4
29.4	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4
29.6	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5
30.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5
30.2	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5
30.4	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5
30.6	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6
30.8	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
31.0	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6
31.2	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7
31.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7
31.6	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
31.8	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8
32.0	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
32.2	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
32.4	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
32.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
32.8	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
33.0	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
33.2	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
33.4	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
33.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
33.8	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
34.0	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
34.2	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
34.4	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
34.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
34.8	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
35.0	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TABLE A-1 CONTINUED

TABLE PAGE 354

TEMP DEG C	10.80	10.81	10.82	10.83	10.84	10.85 PH	10.86	10.87	10.88	10.89	10.90
35.0	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9
35.2	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
35.4	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9
35.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
35.8	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
36.0	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
36.2	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
36.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
36.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
36.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
37.0	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
37.2	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
37.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
37.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
37.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
38.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
38.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
38.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
38.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
38.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
39.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
39.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
39.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
39.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
39.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
40.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TEMP DEG C	10.90	10.91	10.92	10.93	10.94	PH 10.95	10.96	10.97	10.98	10.99	11.00
0	86.8	87.0	87.3	87.6	87.8	88.1	88.3	88.5	88.8	89.0	89.2
.2	87.0	87.2	87.5	87.7	88.0	88.2	88.5	88.7	88.9	89.2	89.4
.4	87.2	87.4	87.7	87.9	88.2	88.4	88.6	88.9	89.1	89.3	89.5
.6	87.4	87.6	87.9	88.1	88.4	88.6	88.8	89.0	89.3	89.5	89.7
.8	87.5	87.8	88.2	88.4	88.7	88.9	89.1	89.2	89.4	89.6	89.8
1.0	87.7	88.0	88.2	88.4	88.7	88.9	89.1	89.2	89.4	89.6	89.8
1.2	87.9	88.1	88.4	88.6	88.9	89.1	89.3	89.5	89.7	89.9	90.1
1.4	88.1	88.3	88.5	88.8	89.0	89.2	89.5	89.7	89.9	90.1	90.3
1.6	88.2	88.5	88.7	88.9	89.2	89.4	89.6	89.8	90.0	90.2	90.4
1.8	88.4	88.7	88.9	89.1	89.4	89.6	89.8	90.0	90.2	90.4	90.6
2.0	88.6	88.8	89.0	89.3	89.5	89.7	89.9	90.1	90.3	90.5	90.7
2.2	88.8	89.0	89.2	89.4	89.6	89.9	90.1	90.3	90.5	90.7	90.9
2.4	88.9	89.1	89.3	89.5	89.7	90.0	90.2	90.4	90.6	90.8	91.0
2.6	89.1	89.3	89.5	89.7	89.9	90.2	90.4	90.6	90.8	91.0	91.2
2.8	89.2	89.5	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3
3.0	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4
3.2	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6
3.4	89.7	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7
3.6	89.9	90.1	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9
3.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0
4.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2
4.2	90.3	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3
4.4	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4
4.6	90.5	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5
4.8	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6
5.0	90.7	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7
5.2	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8
5.4	90.9	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9
5.6	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0
5.8	91.1	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1
6.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2
6.2	91.3	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3
6.4	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4
6.6	91.5	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5
6.8	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6
7.0	91.7	91.9	92.1	92.3	92.5	92.7	92.9	93.1	93.3	93.5	93.7

TABLE A-1 CONTINUED

TABLE PAGE 356

TEMP DEG C	10.90	10.91	10.92	10.93	10.94	PH 10.95	10.96	10.97	10.98	10.99	11.00
7.0	92.1	92.3	92.4	92.6	92.8	92.9	93.1	93.2	93.3	93.5	93.6
7.2	92.2	92.4	92.5	92.7	92.9	93.0	93.2	93.3	93.4	93.6	93.7
7.4	92.3	92.6	92.8	92.9	93.1	93.2	93.4	93.5	93.6	93.8	93.9
7.6	92.4	92.7	92.9	93.0	93.2	93.3	93.5	93.6	93.7	93.9	94.0
7.8	92.6	92.8	93.0	93.1	93.3	93.4	93.6	93.7	93.8	94.0	94.1
8.0	92.8	93.0	93.2	93.3	93.5	93.6	93.8	93.9	94.0	94.2	94.3
8.2	92.9	93.1	93.3	93.4	93.6	93.7	93.9	94.0	94.1	94.3	94.4
8.4	93.0	93.2	93.4	93.5	93.7	93.8	94.0	94.1	94.2	94.4	94.5
8.6	93.1	93.3	93.5	93.6	93.8	93.9	94.1	94.2	94.3	94.5	94.6
8.8	93.2	93.4	93.6	93.7	93.9	94.0	94.2	94.3	94.4	94.6	94.7
9.0	93.3	93.5	93.7	93.8	94.0	94.1	94.3	94.4	94.5	94.7	94.8
9.2	93.4	93.6	93.8	93.9	94.1	94.2	94.4	94.5	94.6	94.8	94.9
9.4	93.5	93.7	93.9	94.0	94.2	94.3	94.5	94.6	94.7	94.9	95.0
9.6	93.6	93.8	94.0	94.1	94.3	94.4	94.6	94.7	94.8	95.0	95.1
9.8	93.7	93.9	94.1	94.2	94.4	94.5	94.7	94.8	94.9	95.1	95.2
10.0	93.8	94.0	94.2	94.3	94.5	94.6	94.8	94.9	95.0	95.2	95.3
10.2	93.9	94.1	94.3	94.4	94.6	94.7	94.9	95.0	95.1	95.3	95.4
10.4	94.0	94.2	94.4	94.5	94.7	94.8	95.0	95.1	95.2	95.4	95.5
10.6	94.1	94.3	94.5	94.6	94.8	94.9	95.1	95.2	95.3	95.5	95.6
10.8	94.2	94.4	94.6	94.7	94.9	95.0	95.2	95.3	95.4	95.6	95.7
11.0	94.3	94.5	94.7	94.8	95.0	95.1	95.3	95.4	95.5	95.7	95.8
11.2	94.4	94.6	94.8	94.9	95.1	95.2	95.4	95.5	95.6	95.8	95.9
11.4	94.5	94.7	94.9	95.0	95.2	95.3	95.5	95.6	95.7	95.9	96.0
11.6	94.6	94.8	95.0	95.1	95.3	95.4	95.6	95.7	95.8	96.0	96.1
11.8	94.7	94.9	95.1	95.2	95.4	95.5	95.7	95.8	95.9	96.1	96.2
12.0	94.8	95.0	95.2	95.3	95.5	95.6	95.8	95.9	96.0	96.2	96.3
12.2	94.9	95.1	95.3	95.4	95.6	95.7	95.9	96.0	96.1	96.3	96.4
12.4	95.0	95.2	95.4	95.5	95.7	95.8	96.0	96.1	96.2	96.4	96.5
12.6	95.1	95.3	95.5	95.6	95.8	95.9	96.1	96.2	96.3	96.5	96.6
12.8	95.2	95.4	95.6	95.7	95.9	96.0	96.2	96.3	96.4	96.6	96.7
13.0	95.3	95.5	95.7	95.8	96.0	96.1	96.3	96.4	96.5	96.7	96.8
13.2	95.4	95.6	95.8	95.9	96.1	96.2	96.4	96.5	96.6	96.8	96.9
13.4	95.5	95.7	95.9	96.0	96.2	96.3	96.5	96.6	96.7	96.9	97.0

TABLE A-1 CONTINUED

TEMP DEG C	10.90	10.91	10.92	10.93	10.94	PH 10.95	10.96	10.97	10.98	10.99	11.00
14.0	95.3	95.4	95.5	95.6	95.7	95.8	95.9	95.9	96.0	96.1	96.2
14.2	95.3	95.4	95.5	95.6	95.7	95.8	96.0	96.0	96.1	96.2	96.3
14.4	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4
14.6	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5
14.8	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6
15.0	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7
15.2	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8
15.4	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9
15.6	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0
15.8	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1
16.0	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2
16.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3
16.4	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4
16.6	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5
16.8	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6
17.0	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7
17.2	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8
17.4	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9
17.6	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0
17.8	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1
18.0	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2
18.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3
18.4	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4
18.6	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5
18.8	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6
19.0	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7
19.2	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8
19.4	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9
19.6	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0
19.8	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1
20.0	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2
20.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3
20.4	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4
20.6	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5
20.8	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6
21.0	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7

TABLE A-1 CONTINUED

TABLE PAGE 358

TEMP DEG C	10.90	10.91	10.92	10.93	10.94	PH 10.95	10.96	10.97	10.98	10.99	11.00
21.0	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7
21.2	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8
21.4	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.8
21.6	97.4	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9
21.8	97.5	97.6	97.6	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0
22.0	97.6	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1
22.2	97.7	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2
22.4	97.8	97.9	97.9	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
22.6	97.9	98.0	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4
22.8	98.0	98.1	98.1	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
23.0	98.1	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6
23.2	98.2	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.7
23.4	98.3	98.4	98.4	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.8
23.6	98.4	98.5	98.5	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9
23.8	98.5	98.6	98.6	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.0
24.0	98.6	98.7	98.7	98.8	98.9	98.9	99.0	99.0	99.1	99.1	99.1
24.2	98.7	98.8	98.8	98.9	99.0	99.0	99.1	99.1	99.2	99.2	99.2
24.4	98.8	98.9	98.9	99.0	99.1	99.1	99.2	99.2	99.3	99.3	99.3
24.6	98.9	99.0	99.0	99.1	99.2	99.2	99.3	99.3	99.4	99.4	99.4
24.8	99.0	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.5	99.5	99.5
25.0	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6
25.2	99.2	99.3	99.3	99.4	99.5	99.5	99.6	99.6	99.7	99.7	99.7
25.4	99.3	99.4	99.4	99.5	99.6	99.6	99.7	99.7	99.8	99.8	99.8
25.6	99.4	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9
25.8	99.5	99.6	99.6	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0
26.0	99.6	99.7	99.7	99.8	99.9	99.9	100.0	100.0	100.1	100.1	100.1
26.2	99.7	99.8	99.8	99.9	100.0	100.0	100.1	100.1	100.2	100.2	100.2
26.4	99.8	99.9	99.9	100.0	100.1	100.1	100.2	100.2	100.3	100.3	100.3
26.6	99.9	100.0	100.0	100.1	100.2	100.2	100.3	100.3	100.4	100.4	100.4
26.8	100.0	100.1	100.1	100.2	100.3	100.3	100.4	100.4	100.5	100.5	100.5
27.0	100.1	100.2	100.2	100.3	100.4	100.4	100.5	100.5	100.6	100.6	100.6
27.2	100.2	100.3	100.3	100.4	100.5	100.5	100.6	100.6	100.7	100.7	100.7
27.4	100.3	100.4	100.4	100.5	100.6	100.6	100.7	100.7	100.8	100.8	100.8
27.6	100.4	100.5	100.5	100.6	100.7	100.7	100.8	100.8	100.9	100.9	100.9
27.8	100.5	100.6	100.6	100.7	100.8	100.8	100.9	100.9	101.0	101.0	101.0
28.0	100.6	100.7	100.7	100.8	100.9	100.9	101.0	101.0	101.1	101.1	101.1

TEMP DEG C	10.90	10.91	10.92	10.93	10.94	PH 10.95	10.96	10.97	10.98	10.99	11.00
28.0	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6
28.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6
28.4	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7
28.6	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7
28.8	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7
29.0	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7
29.2	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7
29.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
29.6	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8
29.8	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
30.0	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9
30.2	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9
30.4	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
30.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
30.8	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
31.0	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
31.2	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
31.4	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
31.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
31.8	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
32.0	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
32.2	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
32.4	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
32.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
32.8	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
33.0	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
33.2	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
33.4	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
33.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
33.8	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
34.0	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
34.2	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
34.4	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
34.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
34.8	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
35.0	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TABLE PAGE 360

TEMP DEG C	10.90	10.91	10.92	10.93	10.94	PH 10.95	10.96	10.97	10.98	10.99	11.00
35.0	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
35.2	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
35.4	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2
35.6	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
35.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
36.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
36.2	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
36.4	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
36.6	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
36.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
37.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
37.2	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
37.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
37.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
37.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
38.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
38.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
38.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
38.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
38.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
39.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2
39.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
39.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
39.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
39.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
40.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3

TABLE A-1 CONTINUED

TEMP DEG C	11.00	11.01	11.02	11.03	11.04	PH 11.05	11.06	11.07	11.08	11.09	11.10
0	89:2	89:4	89:6	89:9	90:1	90:3	90:5	90:7	90:9	91:0	91:2
2	89:4	89:6	89:8	90:0	90:2	90:4	90:6	90:8	91:0	91:2	91:4
4	89:6	89:8	90:0	90:2	90:4	90:6	90:8	91:0	91:2	91:4	91:6
6	89:8	89:9	90:1	90:3	90:5	90:7	91:0	91:2	91:4	91:6	91:8
8	89:9	90:0	90:2	90:5	90:8	91:0	91:2	91:4	91:5	91:6	91:9
10	90:0	90:2	90:4	90:6	90:8	91:1	91:3	91:5	91:7	92:0	92:2
12	90:1	90:3	90:5	90:7	90:9	91:1	91:3	91:5	91:8	92:0	92:2
14	90:3	90:5	90:7	90:9	91:1	91:3	91:5	91:7	91:9	92:1	92:3
16	90:4	90:6	90:8	91:0	91:2	91:4	91:6	91:9	92:0	92:2	92:4
18	90:5	90:7	90:9	91:1	91:3	91:5	91:7	92:0	92:2	92:4	92:5
20	90:6	90:8	91:0	91:2	91:4	91:6	91:8	92:1	92:3	92:5	92:7
22	90:7	90:9	91:1	91:3	91:5	91:7	91:9	92:2	92:4	92:6	92:8
24	90:8	91:0	91:2	91:4	91:6	91:8	92:0	92:3	92:5	92:7	92:9
26	90:9	91:1	91:3	91:5	91:7	91:9	92:1	92:4	92:6	92:8	93:0
28	91:0	91:2	91:4	91:6	91:8	92:0	92:2	92:5	92:7	92:9	93:1
30	91:1	91:3	91:5	91:7	91:9	92:1	92:3	92:6	92:8	93:0	93:2
32	91:2	91:4	91:6	91:8	92:0	92:2	92:4	92:7	92:9	93:1	93:3
34	91:3	91:5	91:7	91:9	92:1	92:3	92:5	92:8	93:0	93:2	93:4
36	91:4	91:6	91:8	92:0	92:2	92:4	92:6	92:9	93:1	93:3	93:5
38	91:5	91:7	91:9	92:1	92:3	92:5	92:7	93:0	93:2	93:4	93:6
40	91:6	91:8	92:0	92:2	92:4	92:6	92:8	93:1	93:3	93:5	93:7
42	91:7	91:9	92:1	92:3	92:5	92:7	92:9	93:2	93:4	93:6	93:8
44	91:8	92:0	92:2	92:4	92:6	92:8	93:0	93:3	93:5	93:7	93:9
46	91:9	92:1	92:3	92:5	92:7	92:9	93:1	93:4	93:6	93:8	94:0
48	92:0	92:2	92:4	92:6	92:8	93:0	93:2	93:5	93:7	93:9	94:1
50	92:1	92:3	92:5	92:7	92:9	93:1	93:3	93:6	93:8	94:0	94:2
52	92:2	92:4	92:6	92:8	93:0	93:2	93:4	93:7	93:9	94:1	94:3
54	92:3	92:5	92:7	92:9	93:1	93:3	93:5	93:8	94:0	94:2	94:4
56	92:4	92:6	92:8	93:0	93:2	93:4	93:6	93:9	94:1	94:3	94:5
58	92:5	92:7	92:9	93:1	93:3	93:5	93:7	94:0	94:2	94:4	94:6
60	92:6	92:8	93:0	93:2	93:4	93:6	93:8	94:1	94:3	94:5	94:7
62	92:7	92:9	93:1	93:3	93:5	93:7	93:9	94:2	94:4	94:6	94:8
64	92:8	93:0	93:2	93:4	93:6	93:8	94:0	94:3	94:5	94:7	94:9
66	92:9	93:1	93:3	93:5	93:7	93:9	94:1	94:4	94:6	94:8	95:0
68	93:0	93:2	93:4	93:6	93:8	94:0	94:2	94:5	94:7	94:9	95:1
70	93:1	93:3	93:5	93:7	93:9	94:1	94:3	94:6	94:8	95:0	95:2

TABLE A-1 CONTINUED

TEMP DEG C	11.00	11.01	11.02	11.03	11.04	PH	11.06	11.07	11.08	11.09	11.10
7.0	93.6	93.8	93.9	94.0	94.2	94.3	94.4	94.5	94.6	94.8	94.9
7.2	93.7	93.9	94.0	94.1	94.3	94.4	94.5	94.6	94.7	94.9	95.0
7.4	93.8	94.0	94.1	94.2	94.4	94.5	94.6	94.7	94.8	95.0	95.1
7.6	93.9	94.1	94.2	94.3	94.5	94.6	94.7	94.8	94.9	95.1	95.2
7.8	94.0	94.2	94.3	94.4	94.6	94.7	94.8	94.9	95.0	95.2	95.3
8.0	94.1	94.3	94.4	94.5	94.7	94.8	94.9	95.0	95.1	95.3	95.4
8.2	94.2	94.4	94.5	94.6	94.8	94.9	95.0	95.1	95.2	95.4	95.5
8.4	94.3	94.5	94.6	94.7	94.9	95.0	95.1	95.2	95.3	95.5	95.6
8.6	94.4	94.6	94.7	94.8	95.0	95.1	95.2	95.3	95.4	95.6	95.7
8.8	94.5	94.7	94.8	94.9	95.1	95.2	95.3	95.4	95.5	95.7	95.8
9.0	94.6	94.8	94.9	95.0	95.2	95.3	95.4	95.5	95.6	95.8	95.9
9.2	94.7	94.9	95.0	95.1	95.3	95.4	95.5	95.6	95.7	95.9	96.0
9.4	94.8	95.0	95.1	95.2	95.4	95.5	95.6	95.7	95.8	96.0	96.1
9.6	94.9	95.1	95.2	95.3	95.5	95.6	95.7	95.8	95.9	96.1	96.2
9.8	95.0	95.2	95.3	95.4	95.6	95.7	95.8	95.9	96.0	96.2	96.3
10.0	95.1	95.3	95.4	95.5	95.7	95.8	95.9	96.0	96.1	96.3	96.4
10.2	95.2	95.4	95.5	95.6	95.8	95.9	96.0	96.1	96.2	96.4	96.5
10.4	95.3	95.5	95.6	95.7	95.9	96.0	96.1	96.2	96.3	96.5	96.6
10.6	95.4	95.6	95.7	95.8	96.0	96.1	96.2	96.3	96.4	96.6	96.7
10.8	95.5	95.7	95.8	95.9	96.1	96.2	96.3	96.4	96.5	96.7	96.8
11.0	95.6	95.8	95.9	96.0	96.2	96.3	96.4	96.5	96.6	96.8	96.9
11.2	95.7	95.9	96.0	96.1	96.3	96.4	96.5	96.6	96.7	96.9	97.0
11.4	95.8	96.0	96.1	96.2	96.4	96.5	96.6	96.7	96.8	97.0	97.1
11.6	95.9	96.1	96.2	96.3	96.5	96.6	96.7	96.8	96.9	97.1	97.2
11.8	96.0	96.2	96.3	96.4	96.6	96.7	96.8	96.9	97.0	97.2	97.3
12.0	96.1	96.3	96.4	96.5	96.7	96.8	96.9	97.0	97.1	97.3	97.4
12.2	96.2	96.4	96.5	96.6	96.8	96.9	97.0	97.1	97.2	97.4	97.5
12.4	96.3	96.5	96.6	96.7	96.9	97.0	97.1	97.2	97.3	97.5	97.6
12.6	96.4	96.6	96.7	96.8	97.0	97.1	97.2	97.3	97.4	97.6	97.7
12.8	96.5	96.7	96.8	96.9	97.1	97.2	97.3	97.4	97.5	97.7	97.8
13.0	96.6	96.8	96.9	97.0	97.2	97.3	97.4	97.5	97.6	97.8	97.9
13.2	96.7	96.9	97.0	97.1	97.3	97.4	97.5	97.6	97.7	97.9	98.0
13.4	96.8	97.0	97.1	97.2	97.4	97.5	97.6	97.7	97.8	98.0	98.1
13.6	96.9	97.1	97.2	97.3	97.5	97.6	97.7	97.8	97.9	98.1	98.2
13.8	97.0	97.2	97.3	97.4	97.6	97.7	97.8	97.9	98.0	98.2	98.3
14.0	97.1	97.3	97.4	97.5	97.7	97.8	97.9	98.0	98.1	98.3	98.4

TABLE A-1 CONTINUED

TEMP DEG C	11.00	11.01	11.02	11.03	11.04	PH 11.05	11.06	11.07	11.08	11.09	11.10
14.0	96.2	96.3	96.4	96.5	96.5	96.6	96.7	96.8	96.8	96.9	97.0
14.2	96.3	96.4	96.5	96.6	96.6	96.7	96.8	96.8	96.9	97.0	97.0
14.4	96.4	96.5	96.6	96.7	96.7	96.8	96.9	96.9	97.0	97.0	97.1
14.6	96.5	96.6	96.6	96.7	96.8	96.8	96.9	97.0	97.0	97.1	97.1
15.0	96.5	96.6	96.6	96.7	96.8	96.8	96.9	97.0	97.1	97.1	97.2
15.2	96.5	96.6	96.7	96.8	96.8	96.9	97.0	97.0	97.1	97.2	97.2
15.4	96.6	96.7	96.8	96.8	96.9	97.0	97.0	97.1	97.2	97.2	97.3
15.6	96.7	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.4
16.0	96.8	96.9	97.0	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.5
16.2	96.8	96.9	97.0	97.1	97.2	97.3	97.3	97.4	97.5	97.5	97.6
16.4	96.9	97.0	97.1	97.2	97.3	97.4	97.4	97.5	97.6	97.6	97.7
16.6	97.0	97.1	97.2	97.3	97.4	97.5	97.5	97.6	97.7	97.7	97.8
17.0	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.8	97.9
17.2	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	97.9	98.0
17.4	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.0
17.6	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.0	98.1
18.0	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.0	98.1
18.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.1	98.2
18.4	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.1	98.2
18.6	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.2	98.3
19.0	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.2	98.3
19.2	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.3	98.4
19.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.3	98.4
19.6	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.4	98.5
20.0	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.4	98.5
20.2	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.5	98.6
20.4	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.5	98.6
20.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.5	98.6
20.8	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.5	98.6
21.0	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.5	98.6

TABLE A-1 CONTINUED

TEMP DEG C	11.00	11.01	11.02	11.03	11.04	PH 11.05	11.06	11.07	11.08	11.09	11.10
21.0	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.2
21.2	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.1	98.2	98.2
21.4	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3
21.6	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3
21.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3
22.0	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
22.2	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4
22.4	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4
22.6	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4
22.8	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5
23.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
23.2	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6
23.4	98.1	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6
23.6	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.7	98.7
23.8	98.2	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.7
24.0	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.8	98.8
24.2	98.3	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.8
24.4	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.9	98.9
24.6	98.4	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9
24.8	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9
25.0	98.5	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9
25.2	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
25.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
25.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
25.8	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
26.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
26.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
26.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
26.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
26.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
27.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
27.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
27.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
27.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
27.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
28.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TEMP DEG C	11.00	11.01	11.02	11.03	11.04	PH 11.05	11.06	11.07	11.08	11.09	11.10
28.0	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9
28.2	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9
28.4	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
28.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
28.8	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0
29.0	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0
29.2	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0
29.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
29.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
29.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
30.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
30.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
30.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
30.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
30.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
31.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
31.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
31.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
31.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
31.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
32.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
32.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
32.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
32.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
32.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
33.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
33.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
33.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
33.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
33.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
34.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
34.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
34.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
34.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
34.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
35.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0

TABLE A-1 CONTINUED

TABLE PAGE 366

TEMP DEG C	11.00	11.01	11.02	11.03	11.04	PH 11.05	11.06	11.07	11.08	11.09	11.10
35.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
35.2	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
35.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
35.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
35.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
36.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
36.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
36.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
36.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
36.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
37.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
37.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
37.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
37.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
37.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
38.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
38.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
38.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
38.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
38.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
39.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
39.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
39.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
39.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
39.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4
40.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.4

TABLE A-1 CONTINUED

TEMP DEG C	11.10	11.11	11.12	11.13	11.14	PH 11.15	11.16	11.17	11.18	11.19	11.20
0	91.2	91.4	91.6	91.8	91.9	92.1	92.3	92.4	92.6	92.8	92.9
.2	91.4	91.5	91.7	91.9	92.1	92.2	92.4	92.5	92.7	92.9	93.0
.4	91.5	91.7	91.9	92.1	92.3	92.5	92.6	92.7	92.8	93.0	93.1
.6	91.6	91.8	92.0	92.2	92.4	92.6	92.7	92.8	92.9	93.1	93.2
.8	91.8	92.0	92.2	92.4	92.5	92.7	92.9	93.0	93.2	93.3	93.4
1.0	91.9	92.1	92.2	92.4	92.5	92.7	92.9	93.0	93.2	93.3	93.4
1.2	92.0	92.3	92.5	92.6	92.7	92.8	93.0	93.1	93.3	93.4	93.5
1.4	92.1	92.4	92.6	92.7	92.8	92.9	93.1	93.2	93.4	93.5	93.6
1.6	92.2	92.5	92.7	92.8	92.9	93.0	93.2	93.3	93.5	93.6	93.7
1.8	92.4	92.6	92.8	92.9	93.1	93.2	93.3	93.4	93.6	93.7	93.8
2.0	92.5	92.7	92.9	93.0	93.1	93.2	93.3	93.4	93.6	93.7	93.8
2.2	92.6	92.8	93.0	93.1	93.2	93.3	93.4	93.5	93.7	93.8	93.9
2.4	92.7	92.9	93.1	93.2	93.3	93.4	93.5	93.6	93.8	93.9	94.0
2.6	92.8	93.0	93.2	93.3	93.4	93.5	93.6	93.7	93.9	94.0	94.1
2.8	92.9	93.1	93.3	93.4	93.5	93.6	93.7	93.8	94.0	94.1	94.2
3.0	93.0	93.2	93.4	93.5	93.6	93.7	93.8	93.9	94.1	94.2	94.3
3.2	93.1	93.3	93.5	93.6	93.7	93.8	94.0	94.1	94.2	94.3	94.4
3.4	93.2	93.4	93.6	93.7	93.8	93.9	94.1	94.2	94.3	94.4	94.5
3.6	93.3	93.5	93.7	93.8	93.9	94.0	94.2	94.3	94.4	94.5	94.6
3.8	93.4	93.6	93.8	93.9	94.0	94.1	94.3	94.4	94.5	94.6	94.7
4.0	93.5	93.7	93.9	94.0	94.1	94.2	94.4	94.5	94.6	94.7	94.8
4.2	93.6	93.8	94.0	94.1	94.2	94.3	94.5	94.6	94.7	94.8	94.9
4.4	93.7	93.9	94.1	94.2	94.3	94.4	94.6	94.7	94.8	94.9	95.0
4.6	93.8	94.0	94.2	94.3	94.4	94.5	94.7	94.8	94.9	95.0	95.1
4.8	93.9	94.1	94.3	94.4	94.5	94.6	94.8	94.9	95.0	95.1	95.2
5.0	94.0	94.2	94.4	94.5	94.6	94.7	94.9	95.0	95.1	95.2	95.3
5.2	94.1	94.3	94.5	94.6	94.7	94.8	95.0	95.1	95.2	95.3	95.4
5.4	94.2	94.4	94.6	94.7	94.8	94.9	95.1	95.2	95.3	95.4	95.5
5.6	94.3	94.5	94.7	94.8	94.9	95.0	95.2	95.3	95.4	95.5	95.6
5.8	94.4	94.6	94.8	94.9	95.0	95.1	95.3	95.4	95.5	95.6	95.7
6.0	94.5	94.7	94.9	95.0	95.1	95.2	95.4	95.5	95.6	95.7	95.8
6.2	94.6	94.8	95.0	95.1	95.2	95.3	95.5	95.6	95.7	95.8	95.9
6.4	94.7	94.9	95.1	95.2	95.3	95.4	95.6	95.7	95.8	95.9	96.0
6.6	94.8	95.0	95.2	95.3	95.4	95.5	95.7	95.8	95.9	96.0	96.1
6.8	94.9	95.1	95.3	95.4	95.5	95.6	95.8	95.9	96.0	96.1	96.2
7.0	95.0	95.2	95.4	95.5	95.6	95.7	95.9	96.0	96.1	96.2	96.3

TABLE A-1 CONTINUED

TEMP DEG C	11.10	11.11	11.12	11.13	11.14	PH 11.15	11.16	11.17	11.18	11.19	11.20
7.0	94.9	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9
7.4	94.9	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0
7.8	95.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	96.0	96.1
8.0	95.1	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.1	96.2
8.4	95.2	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.2	96.3
8.8	95.3	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.3	96.4
9.0	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.4	96.5
9.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.5	96.6
9.8	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.6	96.7
10.0	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.7	96.8
10.4	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.8	96.9
10.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.9	97.0
11.0	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	97.0	97.1
11.4	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.1	97.2
11.8	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.2	97.3
12.0	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.3	97.4
12.4	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.4	97.5
12.8	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.5	97.6
13.0	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.6	97.7
13.4	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.7	97.8
13.8	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.8	97.9
14.0	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.9	98.0

TABLE A-1 CONTINUED

TABLE PAGE 369

TEMP DEG C	11.10	11.11	11.12	11.13	11.14	PH 11.15	11.16	11.17	11.18	11.19	11.20
14.0	97.0	97.0	97.1	97.2	97.2	97.3	97.3	97.4	97.5	97.5	97.6
14.2	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.6	97.6
14.4	97.1	97.2	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7
14.6	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.6	97.7	97.7	97.7
14.8	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.7
15.0	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.7
15.2	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.8	97.8
15.4	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8
15.6	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9
15.8	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.9	97.9	97.9
16.0	97.4	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9
16.2	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9
16.4	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0
16.6	97.5	97.6	97.6	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0
16.8	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1
17.0	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1
17.2	97.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.1
17.4	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1
17.6	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1	98.2
17.8	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
18.0	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.2	98.2	98.2
18.2	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3
18.4	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3
18.6	97.8	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
18.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
19.0	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4
19.2	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4
19.4	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5
19.6	98.0	98.1	98.1	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
19.8	98.0	98.1	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5
20.0	98.0	98.1	98.2	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5
20.2	98.1	98.1	98.2	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5
20.4	98.1	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5
20.6	98.1	98.2	98.3	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5
20.8	98.1	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
21.0	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5

TABLE A-1 CONTINUED

TEMP DEG C	11.10	11.11	11.12	11.13	11.14	PH 11.15	11.16	11.17	11.18	11.19	11.20
21.0	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5
21.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6
21.4	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6
21.6	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6
21.8	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6
22.0	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.7	98.7
22.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7
22.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7
22.6	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8
22.8	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8
23.0	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9
23.2	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9
23.4	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9
23.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
23.8	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
24.0	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
24.2	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
24.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
24.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
24.8	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
25.0	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
25.2	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
25.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
25.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
26.0	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
26.2	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
26.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
26.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
26.8	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
27.0	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
27.2	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
27.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
27.6	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
27.8	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TEMP DEG C	11.10	11.11	11.12	11.13	11.14	PH 11.15	11.16	11.17	11.18	11.19	11.20
28.0	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1
28.2	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
28.4	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
28.6	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2
28.8	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2
29.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2
29.2	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2
29.4	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
29.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
29.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
30.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
30.2	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
30.4	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
30.6	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
30.8	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
31.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
31.2	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
31.4	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
31.6	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
31.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
32.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
32.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
32.4	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
32.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
32.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
33.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
33.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
33.4	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
33.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
33.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
34.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
34.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
34.4	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
34.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
34.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4
35.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.4

TABLE A-1 CONTINUED

TEMP DEG C	11.10	11.11	11.12	11.13	11.14	PH 11.15	11.16	11.17	11.18	11.19	11.20
35.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
35.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
35.4	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
35.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
35.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
36.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
36.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
36.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
36.6	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
36.8	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
37.0	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
37.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
37.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
37.6	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
37.8	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
38.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
38.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
38.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
38.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
38.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
39.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
39.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
39.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
39.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
39.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
40.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TEMP DEG C	11.20	11.21	11.22	11.23	11.24	PH 11.25	11.26	11.27	11.28	11.29	11.30
0	92.9	93.1	93.2	93.4	93.5	93.6	93.8	93.9	94.0	94.2	94.3
.2	93.0	93.2	93.3	93.5	93.6	93.7	93.9	94.0	94.1	94.3	94.4
.4	93.1	93.3	93.4	93.6	93.7	93.8	94.0	94.1	94.2	94.4	94.5
.6	93.2	93.4	93.5	93.7	93.8	93.9	94.1	94.2	94.3	94.5	94.6
.8	93.3	93.5	93.6	93.8	93.9	94.0	94.2	94.3	94.4	94.6	94.7
1.0	93.4	93.6	93.7	93.9	94.0	94.1	94.3	94.4	94.5	94.7	94.8
1.2	93.5	93.7	93.8	94.0	94.1	94.2	94.4	94.5	94.6	94.8	94.9
1.4	93.6	93.8	93.9	94.1	94.2	94.3	94.5	94.6	94.7	94.9	95.0
1.6	93.7	93.9	94.0	94.2	94.3	94.4	94.6	94.7	94.8	95.0	95.1
1.8	93.8	94.0	94.1	94.3	94.4	94.5	94.7	94.8	94.9	95.1	95.2
2.0	93.9	94.1	94.2	94.4	94.5	94.6	94.8	94.9	95.0	95.2	95.3
2.2	94.0	94.2	94.3	94.5	94.6	94.7	94.9	95.0	95.1	95.3	95.4
2.4	94.1	94.3	94.4	94.6	94.7	94.8	95.0	95.1	95.2	95.4	95.5
2.6	94.2	94.4	94.5	94.7	94.8	94.9	95.1	95.2	95.3	95.5	95.6
2.8	94.3	94.5	94.6	94.8	94.9	95.0	95.2	95.3	95.4	95.6	95.7
3.0	94.4	94.6	94.7	94.9	95.0	95.1	95.3	95.4	95.5	95.7	95.8
3.2	94.5	94.7	94.8	95.0	95.1	95.2	95.4	95.5	95.6	95.8	95.9
3.4	94.6	94.8	94.9	95.1	95.2	95.3	95.5	95.6	95.7	95.9	96.0
3.6	94.7	94.9	95.0	95.2	95.3	95.4	95.6	95.7	95.8	96.0	96.1
3.8	94.8	95.0	95.1	95.3	95.4	95.5	95.7	95.8	95.9	96.1	96.2
4.0	94.9	95.1	95.2	95.4	95.5	95.6	95.8	95.9	96.0	96.2	96.3
4.2	95.0	95.2	95.3	95.5	95.6	95.7	95.9	96.0	96.1	96.3	96.4
4.4	95.1	95.3	95.4	95.6	95.7	95.8	96.0	96.1	96.2	96.4	96.5
4.6	95.2	95.4	95.5	95.7	95.8	95.9	96.1	96.2	96.3	96.5	96.6
4.8	95.3	95.5	95.6	95.8	95.9	96.0	96.2	96.3	96.4	96.6	96.7
5.0	95.4	95.6	95.7	95.9	96.0	96.1	96.3	96.4	96.5	96.7	96.8
5.2	95.5	95.7	95.8	96.0	96.1	96.2	96.4	96.5	96.6	96.8	96.9
5.4	95.6	95.8	95.9	96.1	96.2	96.3	96.5	96.6	96.7	96.9	97.0
5.6	95.7	95.9	96.0	96.2	96.3	96.4	96.6	96.7	96.8	97.0	97.1
5.8	95.8	96.0	96.1	96.3	96.4	96.5	96.7	96.8	96.9	97.1	97.2
6.0	95.9	96.1	96.2	96.4	96.5	96.6	96.8	96.9	97.0	97.2	97.3
6.2	96.0	96.2	96.3	96.5	96.6	96.7	96.9	97.0	97.1	97.3	97.4
6.4	96.1	96.3	96.4	96.6	96.7	96.8	97.0	97.1	97.2	97.4	97.5
6.6	96.2	96.4	96.5	96.7	96.8	96.9	97.1	97.2	97.3	97.5	97.6
6.8	96.3	96.5	96.6	96.8	96.9	97.0	97.2	97.3	97.4	97.6	97.7
7.0	96.4	96.6	96.7	96.9	97.0	97.1	97.3	97.4	97.5	97.7	97.8

TABLE A-1 CONTINUED

TEMP DEG C	11.20	11.21	11.22	11.23	11.24	PH 11.25	11.26	11.27	11.28	11.29	11.30
7.0	95.9	96.0	96.1	96.1	96.2	96.3	96.4	96.5	96.6	96.6	96.7
7.2	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.5	96.6	96.7	96.8
7.4	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.6	96.7	96.8	96.9
7.6	96.1	96.2	96.3	96.4	96.5	96.5	96.6	96.7	96.8	96.9	96.9
8.0	96.2	96.3	96.4	96.4	96.5	96.6	96.7	96.7	96.8	96.9	96.9
8.2	96.2	96.3	96.4	96.5	96.6	96.6	96.7	96.8	96.9	96.9	97.0
8.4	96.3	96.4	96.5	96.5	96.6	96.7	96.8	96.9	97.0	97.0	97.1
8.6	96.4	96.5	96.6	96.6	96.7	96.8	96.9	96.9	97.0	97.1	97.2
9.0	96.5	96.5	96.6	96.7	96.8	96.8	96.9	97.0	97.1	97.1	97.2
9.2	96.5	96.6	96.7	96.8	96.9	96.9	97.0	97.1	97.2	97.2	97.3
9.4	96.6	96.7	96.8	96.9	97.0	97.0	97.1	97.2	97.3	97.3	97.4
9.6	96.7	96.8	96.9	97.0	97.1	97.1	97.2	97.2	97.3	97.4	97.4
10.0	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.3	97.4	97.5	97.6
10.2	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.4	97.5	97.6	97.6
10.4	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.7
10.6	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9
10.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9
11.0	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0
11.2	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0
11.4	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1
11.6	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1
11.8	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2
12.0	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2
12.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3
12.4	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3
12.6	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3
12.8	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4
13.0	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4
13.2	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5
13.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5
13.6	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5
13.8	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6
14.0	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6

TABLE A-1 CONTINUED

TABLE PAGE 375

TEMP DEG C	11-20	11-21	11-22	11-23	11-24	PH 11-25	11-26	11-27	11-28	11-29	11-30
14.0	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1
14.2	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1
14.4	97.5	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1
14.6	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.2
15.0	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
15.2	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3
15.4	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3
15.6	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
16.0	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
16.2	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4
16.4	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4
16.6	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4
17.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4
17.2	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5
17.4	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5
17.6	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5
17.8	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5
18.0	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6
18.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6
18.4	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
18.6	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
18.8	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
19.0	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
19.2	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
19.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
19.6	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
19.8	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
20.0	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
20.2	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
20.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
20.6	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
20.8	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
21.0	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TABLE A-1 CONTINUED

TEMP DEG C	11.20	11.21	11.22	11.23	11.24	PH 11.25	11.26	11.27	11.28	11.29	11.30
21.0	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
21.2	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9
21.4	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9
21.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
21.8	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9
22.0	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
22.2	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
22.4	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
22.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
22.8	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
23.0	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
23.2	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
23.4	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
23.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
23.8	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
24.0	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
24.2	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
24.4	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
24.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
24.8	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
25.0	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
25.2	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
25.4	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
25.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
25.8	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
26.0	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
26.2	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
26.4	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
26.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
26.8	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
27.0	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
27.2	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
27.4	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
27.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
27.8	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
28.0	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TEMP DEG C	11.20	11.21	11.22	11.23	11.24	PH 11.25	11.26	11.27	11.28	11.29	11.30
28.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3
28.2	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
28.4	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
28.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
28.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3
29.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
29.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
29.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
29.6	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
29.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
30.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
30.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
30.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
30.6	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
30.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
31.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
31.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
31.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
31.6	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
31.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
32.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
32.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
32.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
32.6	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
32.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
33.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
33.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
33.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
33.6	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
33.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
34.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
34.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
34.4	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
34.6	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
34.8	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
35.0	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TABLE A-1 CONTINUED

TABLE PAGE 378

TEMP DEG C	11-20	11-21	11-22	11-23	11-24	PH 11-25	11-26	11-27	11-28	11-29	11-30
35.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
35.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
35.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
35.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
35.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
36.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
36.2	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
36.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
36.6	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
36.8	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
37.0	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
37.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
37.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
37.6	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
37.8	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
38.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
38.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
38.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
38.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
38.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
39.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
39.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
39.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
39.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
39.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
40.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TABLE A-1 CONTINUED

TABLE PAGE 379

TEMP DEG C	11.30	11.31	11.32	11.33	11.34	PH 11.35	11.36	11.37	11.38	11.39	11.40
0	94.3	94.4	94.5	94.6	94.8	94.9	95.0	95.1	95.2	95.3	95.4
1	94.4	94.5	94.6	94.7	94.8	95.0	95.1	95.2	95.3	95.4	95.5
2	94.5	94.6	94.7	94.8	94.9	95.1	95.2	95.3	95.4	95.5	95.6
3	94.6	94.7	94.8	94.9	95.0	95.2	95.3	95.4	95.5	95.6	95.7
4	94.7	94.8	94.9	95.0	95.1	95.3	95.4	95.5	95.6	95.7	95.8
5	94.8	94.9	95.0	95.1	95.2	95.4	95.5	95.6	95.7	95.8	95.9
6	94.9	95.0	95.1	95.2	95.3	95.5	95.6	95.7	95.8	95.9	96.0
7	95.0	95.1	95.2	95.3	95.4	95.6	95.7	95.8	95.9	96.0	96.1
8	95.1	95.2	95.3	95.4	95.5	95.7	95.8	95.9	96.0	96.1	96.2
9	95.2	95.3	95.4	95.5	95.6	95.8	95.9	96.0	96.1	96.2	96.3
10	95.3	95.4	95.5	95.6	95.7	95.9	96.0	96.1	96.2	96.3	96.4
11	95.4	95.5	95.6	95.7	95.8	96.0	96.1	96.2	96.3	96.4	96.5
12	95.5	95.6	95.7	95.8	95.9	96.1	96.2	96.3	96.4	96.5	96.6
13	95.6	95.7	95.8	95.9	96.0	96.2	96.3	96.4	96.5	96.6	96.7
14	95.7	95.8	95.9	96.0	96.1	96.3	96.4	96.5	96.6	96.7	96.8
15	95.8	95.9	96.0	96.1	96.2	96.4	96.5	96.6	96.7	96.8	96.9
16	95.9	96.0	96.1	96.2	96.3	96.5	96.6	96.7	96.8	96.9	97.0
17	96.0	96.1	96.2	96.3	96.4	96.6	96.7	96.8	96.9	97.0	97.1
18	96.1	96.2	96.3	96.4	96.5	96.7	96.8	96.9	97.0	97.1	97.2
19	96.2	96.3	96.4	96.5	96.6	96.8	96.9	97.0	97.1	97.2	97.3
20	96.3	96.4	96.5	96.6	96.7	96.9	97.0	97.1	97.2	97.3	97.4
21	96.4	96.5	96.6	96.7	96.8	97.0	97.1	97.2	97.3	97.4	97.5
22	96.5	96.6	96.7	96.8	96.9	97.1	97.2	97.3	97.4	97.5	97.6
23	96.6	96.7	96.8	96.9	97.0	97.2	97.3	97.4	97.5	97.6	97.7
24	96.7	96.8	96.9	97.0	97.1	97.3	97.4	97.5	97.6	97.7	97.8
25	96.8	96.9	97.0	97.1	97.2	97.4	97.5	97.6	97.7	97.8	97.9
26	96.9	97.0	97.1	97.2	97.3	97.5	97.6	97.7	97.8	97.9	98.0
27	97.0	97.1	97.2	97.3	97.4	97.6	97.7	97.8	97.9	98.0	98.1
28	97.1	97.2	97.3	97.4	97.5	97.7	97.8	97.9	98.0	98.1	98.2
29	97.2	97.3	97.4	97.5	97.6	97.8	97.9	98.0	98.1	98.2	98.3
30	97.3	97.4	97.5	97.6	97.7	97.9	98.0	98.1	98.2	98.3	98.4
31	97.4	97.5	97.6	97.7	97.8	98.0	98.1	98.2	98.3	98.4	98.5
32	97.5	97.6	97.7	97.8	97.9	98.1	98.2	98.3	98.4	98.5	98.6
33	97.6	97.7	97.8	97.9	98.0	98.2	98.3	98.4	98.5	98.6	98.7
34	97.7	97.8	97.9	98.0	98.1	98.3	98.4	98.5	98.6	98.7	98.8
35	97.8	97.9	98.0	98.1	98.2	98.4	98.5	98.6	98.7	98.8	98.9
36	97.9	98.0	98.1	98.2	98.3	98.5	98.6	98.7	98.8	98.9	99.0
37	98.0	98.1	98.2	98.3	98.4	98.6	98.7	98.8	98.9	99.0	99.1
38	98.1	98.2	98.3	98.4	98.5	98.7	98.8	98.9	99.0	99.1	99.2
39	98.2	98.3	98.4	98.5	98.6	98.8	98.9	99.0	99.1	99.2	99.3
40	98.3	98.4	98.5	98.6	98.7	98.9	99.0	99.1	99.2	99.3	99.4
41	98.4	98.5	98.6	98.7	98.8	99.0	99.1	99.2	99.3	99.4	99.5
42	98.5	98.6	98.7	98.8	98.9	99.1	99.2	99.3	99.4	99.5	99.6
43	98.6	98.7	98.8	98.9	99.0	99.2	99.3	99.4	99.5	99.6	99.7
44	98.7	98.8	98.9	99.0	99.1	99.3	99.4	99.5	99.6	99.7	99.8
45	98.8	98.9	99.0	99.1	99.2	99.4	99.5	99.6	99.7	99.8	99.9
46	98.9	99.0	99.1	99.2	99.3	99.5	99.6	99.7	99.8	99.9	100.0
47	99.0	99.1	99.2	99.3	99.4	99.6	99.7	99.8	99.9	100.0	100.1
48	99.1	99.2	99.3	99.4	99.5	99.7	99.8	99.9	100.0	100.1	100.2
49	99.2	99.3	99.4	99.5	99.6	99.8	99.9	100.0	100.1	100.2	100.3
50	99.3	99.4	99.5	99.6	99.7	99.9	100.0	100.1	100.2	100.3	100.4
51	99.4	99.5	99.6	99.7	99.8	100.0	100.1	100.2	100.3	100.4	100.5
52	99.5	99.6	99.7	99.8	99.9	100.1	100.2	100.3	100.4	100.5	100.6
53	99.6	99.7	99.8	99.9	100.0	100.2	100.3	100.4	100.5	100.6	100.7
54	99.7	99.8	99.9	100.0	100.1	100.3	100.4	100.5	100.6	100.7	100.8
55	99.8	99.9	100.0	100.1	100.2	100.4	100.5	100.6	100.7	100.8	100.9
56	99.9	100.0	100.1	100.2	100.3	100.5	100.6	100.7	100.8	100.9	101.0
57	100.0	100.1	100.2	100.3	100.4	100.6	100.7	100.8	100.9	101.0	101.1
58	100.1	100.2	100.3	100.4	100.5	100.7	100.8	100.9	101.0	101.1	101.2
59	100.2	100.3	100.4	100.5	100.6	100.8	100.9	101.0	101.1	101.2	101.3
60	100.3	100.4	100.5	100.6	100.7	100.9	101.0	101.1	101.2	101.3	101.4
61	100.4	100.5	100.6	100.7	100.8	101.0	101.1	101.2	101.3	101.4	101.5
62	100.5	100.6	100.7	100.8	100.9	101.1	101.2	101.3	101.4	101.5	101.6
63	100.6	100.7	100.8	100.9	101.0	101.2	101.3	101.4	101.5	101.6	101.7
64	100.7	100.8	100.9	101.0	101.1	101.3	101.4	101.5	101.6	101.7	101.8
65	100.8	100.9	101.0	101.1	101.2	101.4	101.5	101.6	101.7	101.8	101.9
66	100.9	101.0	101.1	101.2	101.3	101.5	101.6	101.7	101.8	101.9	102.0
67	101.0	101.1	101.2	101.3	101.4	101.6	101.7	101.8	101.9	102.0	102.1
68	101.1	101.2	101.3	101.4	101.5	101.7	101.8	101.9	102.0	102.1	102.2
69	101.2	101.3	101.4	101.5	101.6	101.8	101.9	102.0	102.1	102.2	102.3
70	101.3	101.4	101.5	101.6	101.7	101.9	102.0	102.1	102.2	102.3	102.4
71	101.4	101.5	101.6	101.7	101.8	102.0	102.1	102.2	102.3	102.4	102.5
72	101.5	101.6	101.7	101.8	101.9	102.1	102.2	102.3	102.4	102.5	102.6
73	101.6	101.7	101.8	101.9	102.0	102.2	102.3	102.4	102.5	102.6	102.7
74	101.7	101.8	101.9	102.0	102.1	102.3	102.4	102.5	102.6	102.7	102.8
75	101.8	101.9	102.0	102.1	102.2	102.4	102.5	102.6	102.7	102.8	102.9
76	101.9	102.0	102.1	102.2	102.3	102.5	102.6	102.7	102.8	102.9	103.0
77	102.0	102.1	102.2	102.3	102.4	102.6	102.7	102.8	102.9	103.0	103.1
78	102.1	102.2	102.3	102.4	102.5	102.7	102.8	102.9	103.0	103.1	103.2
79	102.2	102.3	102.4	102.5	102.6	102.8	102.9	103.0	103.1	103.2	103.3
80	102.3	102.4	102.5	102.6	102.7	102.9	103.0	103.1	103.2	103.3	103.4
81	102.4	102.5	102.6	102.7	102.8	103.0	103.1	103.2	103.3	103.4	103.5
82	102.5	102.6	102.7	102.8	102.9	103.1	103.2	103.3	103.4	103.5	103.6
83	102.6	102.7	102.8	102.9	103.0	103.2	103.3	103.4	103.5	103.6	103.7
84	102.7	102.8	102.9	103.0	103.1	103.3	103.4	103.5	103.6	103.7	103.8
85	102.8	102.9	103.0	103.1	103.2	103.4	103.5	103.6	103.7	103.8	103.9
86	102.9	103.0	103.1	103.2	103.3	103.5	103.6	103.7	103.8	103.9	104.0
87	103.0	103.1	103.2	103.3	103.4	103.6	103.7	103.8	103.9	104.0	104.1
88	103.1	103.2	103.3	103.4	103.5	103.7	103.8	103.9	104.0	104.1	104.2
89	103.2	103.3	103.4	103.5	103.6	103.8	103.9	104.0	104.1	104.2	104.3
90	103.3	103.4	103.5	103.6	103.7	103.9	104.0	104.1	104.2	104.3	104.4
91	103.4	103.5	103.6	103.7	103.8	104.0	104.1	104.2	104.3	104.4	104.5
92	103.5	103.6	103.7	103.8	103.9	104.1	104.2	104.3	104.4	104.5	104.6
93	103.6	103.7	103.8	103.9	104.0	104.2	104.3	104.4	104.5	104.6	104.7
94	103.7	103.8	103.9	104.0	104.1	104.3	104.4	104.5	104.6	104.7	104.8
95	103.8	103.9	104.0	104.1	104.2	104.4	104.5	104.6	104.7	104.8	104.9
96	103.9	104.0	104.1	104.2	104.3	104.5	104.6	104.7	104.8	104.9	105.0
97	104.0	104.1	104.2	104.3	104.4	104.6	104.7	104.8	104.9	105.0	105.1
98	104.1	104.2	104.3	104.4	104.5	104.7	104.8	104.9	105.0	105.1	105.2
99	104.2	104.3	104.4	104.5	104.6	104.8	104.9	105.0	105.1	105.2	105.3
100	104.3	104.4	104.5	104.6	104.7	104.9	105.0	105.1	105.2	105.3	105.4

TABLE A-1 CONTINUED

TEMP DEG C	11.30	11.31	11.32	11.33	11.34	PH 11.35	11.36	11.37	11.38	11.39	11.40
7.0	96.7	96.8	96.8	96.9	97.0	97.0	97.1	97.2	97.2	97.3	97.4
7.2	96.8	96.9	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.4
7.4	96.8	96.9	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.5	97.5
7.6	96.9	97.0	97.1	97.1	97.2	97.2	97.3	97.4	97.4	97.5	97.5
7.8	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.6
8.0	97.0	97.1	97.1	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.6
8.2	97.0	97.1	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.6
8.4	97.0	97.1	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.7	97.7
8.6	97.1	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.7
8.8	97.1	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.7
9.0	97.2	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.7	97.7	97.7
9.2	97.2	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.8	97.8
9.4	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.7	97.8	97.8	97.8
9.6	97.3	97.4	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9
9.8	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9
10.0	97.5	97.5	97.6	97.6	97.7	97.8	97.8	97.9	97.9	98.0	98.0
10.2	97.5	97.6	97.6	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.0
10.4	97.6	97.6	97.7	97.7	97.8	97.9	97.9	98.0	98.0	98.1	98.1
10.6	97.6	97.7	97.7	97.8	97.8	97.9	98.0	98.0	98.1	98.1	98.1
10.8	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
11.0	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
11.2	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2
11.4	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3
11.6	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
11.8	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4
12.0	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5
12.2	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5
12.4	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
12.6	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6
12.8	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6
13.0	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.7	98.7
13.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.7
13.4	98.4	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.8
13.6	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.9	98.9
13.8	98.5	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9
14.0	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.0

TABLE A-1 CONTINUED

TEMP DEG C	11.30	11.31	11.32	11.33	11.34	PH 11.35	11.36	11.37	11.38	11.39	11.40
14.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.5
14.2	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5
14.4	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.5
14.6	98.1	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5
14.8	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5
15.0	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.6
15.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
15.4	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6
15.6	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.7
15.8	98.3	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7
16.0	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7
16.2	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.8
16.4	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
16.6	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
16.8	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9
17.0	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
17.2	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
17.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
17.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
17.8	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
18.0	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
18.2	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
18.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
18.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
18.8	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
19.0	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
19.2	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
19.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
19.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
19.8	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20.0	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20.2	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20.6	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20.8	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
21.0	98.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TEMP DEG C	11.30	11.31	11.32	11.33	11.34	11.35 PM	11.36	11.37	11.38	11.39	11.40
21.0	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1
21.2	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
21.4	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
21.6	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1
21.8	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
22.0	98.9	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
22.2	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
22.4	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
22.6	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
22.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
23.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1
23.2	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
23.4	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
23.6	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
23.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
24.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
24.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
24.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
24.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
24.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
25.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
25.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
25.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
25.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
25.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
26.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
26.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
26.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
26.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
26.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
27.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
27.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
27.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
27.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
27.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
28.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TABLE PAGE 382

TABLE A-1 CONTINUED

TABLE PAGE 383

TEMP DEG C	11.30	11.31	11.32	11.33	11.34	11.35 PH	11.36	11.37	11.38	11.39	11.40
28.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
28.2	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
28.4	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
28.6	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
28.8	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
29.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
29.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
29.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5
29.6	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
29.8	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
30.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
30.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
30.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
30.6	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
30.8	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
31.0	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
31.2	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
31.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
31.6	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
31.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
32.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
32.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
32.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
32.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
32.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
33.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
33.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
33.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
33.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
33.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
34.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
34.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
34.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
34.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
34.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
35.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TABLE A-1 CONTINUED

TEMP DEG C	11.30	11.31	11.32	11.33	11.34	PH 11.35	11.36	11.37	11.38	11.39	11.40
35.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
35.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
35.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
35.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
35.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
36.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
36.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
36.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
36.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
36.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
37.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
37.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
37.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
37.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
37.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
38.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
38.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
38.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
38.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
38.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
39.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
39.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
39.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
39.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
39.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
40.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TABLE A-1 CONTINUED

TEMP
DEG C

PH

TABLE PAGE 385

TEMP DEG C	11.40	11.41	11.42	11.43	11.44	PH 11.45	11.46	11.47	11.48	11.49	11.50
0	95.4	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4
1	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5
2	95.6	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6
3	95.7	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7
4	95.8	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8
5	95.9	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9
6	96.0	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0
7	96.1	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1
8	96.2	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2
9	96.3	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3
10	96.4	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4
11	96.5	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5
12	96.6	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6
13	96.7	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7
14	96.8	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8
15	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9
16	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0
17	97.1	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1
18	97.2	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2
19	97.3	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3
20	97.4	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4
21	97.5	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5
22	97.6	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6
23	97.7	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7
24	97.8	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8
25	97.9	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9
26	98.0	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0
27	98.1	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1
28	98.2	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2
29	98.3	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3
30	98.4	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4
31	98.5	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5
32	98.6	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6
33	98.7	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7
34	98.8	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8
35	98.9	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9
36	99.0	99.1	99.2	99.3	99.4	99.5	99.6	99.7	99.8	99.9	100.0

TABLE A-1 CONTINUED

TEMP DEG C	11.40	11.41	11.42	11.43	11.44	PH 11.45	11.46	11.47	11.48	11.49	11.50
7.0	97.4	97.5	97.5	97.6	97.6	97.6	97.7	97.8	97.8	97.9	97.9
7.2	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0
7.4	97.5	97.5	97.6	97.7	97.7	97.7	97.8	97.8	97.9	98.0	98.0
7.6	97.5	97.6	97.6	97.7	97.8	97.8	97.8	97.9	98.0	98.0	98.1
8.0	97.6	97.6	97.7	97.7	97.8	97.8	97.9	98.0	98.0	98.1	98.1
8.2	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.1	98.1	98.1
8.4	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.1	98.1	98.2	98.2
8.6	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
8.8	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
9.0	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
9.2	97.8	97.9	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.3
9.4	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3
9.6	97.8	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.3
9.8	97.9	98.0	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3
10.0	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4
10.2	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5
10.4	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5
10.6	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6
10.8	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6
11.0	98.1	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.7
11.2	98.2	98.2	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.7	98.7
11.4	98.2	98.3	98.3	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.8
11.6	98.3	98.3	98.4	98.4	98.5	98.6	98.6	98.7	98.7	98.8	98.8
11.8	98.3	98.4	98.4	98.5	98.5	98.6	98.7	98.7	98.8	98.8	98.9
12.0	98.4	98.4	98.5	98.5	98.6	98.7	98.7	98.8	98.9	98.9	99.0
12.2	98.4	98.5	98.5	98.6	98.6	98.7	98.8	98.8	98.9	99.0	99.0
12.4	98.5	98.5	98.6	98.6	98.7	98.8	98.9	98.9	99.0	99.0	99.1
12.6	98.5	98.6	98.6	98.7	98.7	98.8	98.9	99.0	99.0	99.1	99.1
12.8	98.6	98.6	98.7	98.7	98.8	98.9	99.0	99.0	99.1	99.1	99.2
13.0	98.6	98.7	98.7	98.8	98.8	98.9	99.0	99.1	99.1	99.2	99.2
13.2	98.7	98.7	98.8	98.8	98.9	99.0	99.0	99.1	99.2	99.2	99.3
13.4	98.7	98.8	98.8	98.9	98.9	99.0	99.1	99.1	99.2	99.3	99.3

TABLE A-1 CONTINUED

TEMP DEG C	11.40	11.41	11.42	11.43	11.44	PH 11.45	11.46	11.47	11.48	11.49	11.50
14.0	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8
14.2	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8
14.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8
14.6	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8
14.8	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8
15.0	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9
15.2	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9
15.4	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9
15.6	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9
15.8	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9
16.0	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
16.2	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
16.4	98.7	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
16.6	98.7	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
16.8	98.7	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
17.0	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
17.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
17.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
17.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
17.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
18.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
18.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
18.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
18.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
18.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
19.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
19.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
19.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
19.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
19.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
20.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
21.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

[illegible]

TABLE PAGE 389

TABLE A-1 CONTINUED

TEMP DEG C	11.40	11.41	11.42	11.43	11.44	PH 11.45	11.46	11.47	11.48	11.49	11.50
28.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
28.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
28.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
28.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
28.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
29.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
29.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
29.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
29.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
29.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
30.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
30.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
30.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
30.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
30.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
31.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
31.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
31.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
31.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
31.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
32.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
32.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
32.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
32.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
32.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
33.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
33.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
33.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
33.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
33.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
34.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
34.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
34.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
34.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
34.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
35.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6

TABLE A-1 CONTINUED

TEMP DEG C	11.40	11.41	11.42	11.43	11.44	PH 11.45	11.46	11.47	11.48	11.49	11.50
35.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
35.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
35.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
35.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
35.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
36.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
36.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
36.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
36.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
36.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
37.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
37.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
37.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
37.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
37.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
38.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
38.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
38.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
38.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
38.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
39.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
39.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
39.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
39.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
39.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
40.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TABLE A-1 CONTINUED

TEMP DEG C	11.50	11.51	11.52	11.53	11.54	PH 11.55	11.56	11.57	11.58	11.59	11.60
0	96.3	96.4	96.5	96.6	96.6	96.7	96.8	96.8	96.9	97.0	97.1
.2	96.4	96.5	96.6	96.7	96.7	96.8	96.9	96.9	97.0	97.1	97.1
.4	96.5	96.6	96.6	96.7	96.8	96.9	96.9	97.0	97.1	97.1	97.2
.6	96.5	96.6	96.7	96.8	96.8	96.9	97.0	97.1	97.2	97.2	97.3
.8	96.6	96.7	96.8	96.8	96.9	97.0	97.0	97.1	97.2	97.2	97.3
1.0	96.6	96.7	96.8	96.8	96.9	97.0	97.1	97.1	97.2	97.3	97.3
1.2	96.7	96.8	96.8	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.4
1.4	96.7	96.8	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.4
1.6	96.8	96.9	97.0	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.5
1.8	96.9	97.0	97.1	97.2	97.3	97.2	97.3	97.4	97.5	97.5	97.5
2.0	97.0	97.1	97.2	97.3	97.4	97.3	97.4	97.5	97.6	97.6	97.6
2.2	97.1	97.2	97.3	97.4	97.5	97.4	97.5	97.6	97.7	97.7	97.7
2.4	97.2	97.3	97.4	97.5	97.6	97.5	97.6	97.7	97.8	97.8	97.8
2.6	97.3	97.4	97.5	97.6	97.7	97.6	97.7	97.8	97.9	97.9	97.9
2.8	97.4	97.5	97.6	97.7	97.8	97.7	97.8	97.9	98.0	98.0	98.0
3.0	97.5	97.6	97.7	97.8	97.9	97.8	97.9	98.0	98.1	98.1	98.2
3.2	97.6	97.7	97.8	97.9	98.0	97.9	98.0	98.1	98.2	98.2	98.3
3.4	97.7	97.8	97.9	98.0	98.1	98.0	98.1	98.2	98.3	98.3	98.3
3.6	97.8	97.9	98.0	98.1	98.2	98.1	98.2	98.3	98.4	98.4	98.5
3.8	97.9	98.0	98.1	98.2	98.3	98.2	98.3	98.4	98.5	98.5	98.6
4.0	98.0	98.1	98.2	98.3	98.4	98.3	98.4	98.5	98.6	98.6	98.7
4.2	98.1	98.2	98.3	98.4	98.5	98.4	98.5	98.6	98.7	98.7	98.8
4.4	98.2	98.3	98.4	98.5	98.6	98.5	98.6	98.7	98.8	98.8	98.9
4.6	98.3	98.4	98.5	98.6	98.7	98.6	98.7	98.8	98.9	98.9	99.0
4.8	98.4	98.5	98.6	98.7	98.8	98.7	98.8	98.9	99.0	99.0	99.1
5.0	98.5	98.6	98.7	98.8	98.9	98.8	98.9	99.0	99.1	99.1	99.2
5.2	98.6	98.7	98.8	98.9	99.0	98.9	99.0	99.1	99.2	99.2	99.3
5.4	98.7	98.8	98.9	99.0	99.1	99.0	99.1	99.2	99.3	99.3	99.4
5.6	98.8	98.9	99.0	99.1	99.2	99.1	99.2	99.3	99.4	99.4	99.5
5.8	98.9	99.0	99.1	99.2	99.3	99.2	99.3	99.4	99.5	99.5	99.6
6.0	99.0	99.1	99.2	99.3	99.4	99.3	99.4	99.5	99.6	99.6	99.7
6.2	99.1	99.2	99.3	99.4	99.5	99.4	99.5	99.6	99.7	99.7	99.8
6.4	99.2	99.3	99.4	99.5	99.6	99.5	99.6	99.7	99.8	99.8	99.9
6.6	99.3	99.4	99.5	99.6	99.7	99.6	99.7	99.8	99.9	99.9	100.0
6.8	99.4	99.5	99.6	99.7	99.8	99.7	99.8	99.9	100.0	100.0	100.0
7.0	99.5	99.6	99.7	99.8	99.9	99.8	99.9	100.0	100.0	100.0	100.0

TABLE A-1 CONTINUED

TEMP DEG C	11.50	11.51	11.52	11.53	11.54	PH 11.55	11.56	11.57	11.58	11.59	11.60
7.0	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3
7.2	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4
7.4	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4
7.6	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4
7.8	98.1	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.4
8.0	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5
8.2	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.5
8.4	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6
8.6	98.2	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6
8.8	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6
9.0	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7
9.2	98.3	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.6
9.4	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.7
9.6	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.7
9.8	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7
10.0	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
10.2	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
10.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
10.6	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
10.8	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.8	98.8
11.0	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9
11.2	98.5	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9
11.4	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
11.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
11.8	98.7	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.0	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.2	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.8	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.0	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.2	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.4	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.6	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.8	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
14.0	98.7	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TABLE PAGE 393

TEMP DEG C	11.50	11.51	11.52	11.53	11.54	11.55 PM	11.56	11.57	11.58	11.59	11.60
14.0	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
14.2	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
14.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
14.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
14.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
15.0	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
15.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
15.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
15.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
15.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
16.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
16.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
16.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
16.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
16.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
17.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
17.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
17.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
17.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
17.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
18.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
18.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
18.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
18.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
18.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
19.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
19.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
19.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
19.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
19.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
20.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
20.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
20.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
20.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
20.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
21.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TABLE A-1 CONTINUED

TEMP DEG C	11.50	11.51	11.52	11.53	11.54	PH 11.55	11.56	11.57	11.58	11.59	11.60
21.0	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4
21.2	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
21.4	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
21.6	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
21.8	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
22.0	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
22.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5
22.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
22.6	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
22.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
23.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
23.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
23.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
23.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
23.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
24.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
24.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
24.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
24.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
24.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
25.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
25.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
25.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
25.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
25.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
26.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
26.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
26.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
26.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
26.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
27.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
27.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
27.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
27.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
27.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
28.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

[illegible]

TABLE A-1 CONTINUED

TEMP DEG C	11.50	11.51	11.52	11.53	11.54	PH 11.55	11.56	11.57	11.58	11.59	11.60
35.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
35.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
35.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
35.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
35.8	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
36.0	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
36.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
36.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
36.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
36.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
37.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
37.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
37.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
37.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
37.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
38.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
38.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
38.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
38.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
38.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
39.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
39.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
39.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
39.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
39.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
40.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TABLE PAGE 397

TABLE A-1 CONTINUED

TEMP DEG C	11.60	11.61	11.62	11.63	11.64	PH 11.65	11.66	11.67	11.68	11.69	11.70
0	97.1	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.5	97.6	97.6
.2	97.1	97.2	97.3	97.3	97.4	97.4	97.5	97.6	97.6	97.6	97.7
.4	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.6	97.7	97.7	97.8
.6	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8
.8	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8
1.0	97.3	97.3	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8
1.2	97.3	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9
1.4	97.4	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9
1.6	97.5	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0
1.8	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0
2.0	97.5	97.6	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0
2.2	97.6	97.7	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1
2.4	97.7	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1
2.6	97.7	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1
2.8	97.7	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1
3.0	97.7	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.1
3.2	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
3.4	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3
3.6	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3
3.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4
4.0	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4
4.2	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4
4.4	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4
4.6	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5
4.8	98.0	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5
5.0	98.0	98.1	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5
5.2	98.1	98.1	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5
5.4	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5
5.6	98.1	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5
5.8	98.2	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5
6.0	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
6.2	98.2	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
6.4	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
6.6	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
6.8	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5
7.0	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TABLE A-1 CONTINUED

TEMP DEG C	11.60	11.61	11.62	11.63	11.64	PH 11.65	11.66	11.67	11.68	11.69	11.70
7.0	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7
7.2	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7
7.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7
7.6	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
7.8	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8
8.0	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8
8.2	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
8.4	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9
8.6	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
8.8	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
9.0	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
9.2	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
9.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
9.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
9.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10.0	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.0	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.0	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.0	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TABLE PAGE 399

TEMP DEG C	11.60	11.61	11.62	11.63	11.64	PH 11.65	11.66	11.67	11.68	11.69	11.70
14.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
14.2	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
14.4	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
14.6	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
14.8	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
15.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
15.2	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
15.4	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
15.6	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
15.8	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
16.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
16.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
16.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
16.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
16.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
17.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
17.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
17.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
17.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
17.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
18.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
18.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
18.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
18.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
18.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
19.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
19.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
19.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
19.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
19.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
20.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
20.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
20.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
20.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
20.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
21.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3

TABLE A-1 CONTINUED

TEMP DEG C	11.60	11.61	11.62	11.63	11.64	PH 11.65	11.66	11.67	11.68	11.69	11.70
21.0	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
21.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
21.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
21.6	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
21.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6
22.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
22.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
22.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
22.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
22.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
23.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
23.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
23.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
23.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
23.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
24.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
24.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
24.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
24.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
24.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
25.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
25.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
25.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
25.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
25.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
26.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
26.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
26.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
26.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
26.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
27.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
27.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
27.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
27.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
27.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6
28.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6

408

TABLE A-1 CONTINUED

TEMP DEG C	11.60	11.61	11.62	11.63	11.64	PH 11.65	11.66	11.67	11.68	11.69	11.70
35.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
35.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
35.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
35.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
35.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
36.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
36.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
36.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
36.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
36.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
37.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
37.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
37.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
37.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
37.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
38.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
38.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
38.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
38.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
38.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
39.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
39.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
39.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
39.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
39.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
40.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TABLE PAGE 403

TABLE A-1 CONTINUED

TEMP DEG C	11.70	11.71	11.72	11.73	11.74	PH 11.75	11.76	11.77	11.78	11.79	11.80
0	97.6	97.7	97.8	97.8	97.9	97.9	97.9	98.0	98.1	98.1	98.1
2	97.7	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2
4	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2
6	97.8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2
8	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3
10	97.8	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3
12	97.9	97.9	98.0	98.0	98.1	98.1	98.2	98.2	98.2	98.3	98.3
14	97.9	97.9	98.0	98.0	98.1	98.2	98.2	98.2	98.3	98.3	98.3
16	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4
18	98.0	98.0	98.1	98.1	98.2	98.2	98.3	98.3	98.3	98.4	98.4
20	98.1	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5
22	98.1	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5
24	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6
26	98.2	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6
28	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.5	98.6	98.6	98.6
30	98.3	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7
32	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.7
34	98.4	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8
36	98.5	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
38	98.5	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9
40	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TEMP DEG C	11.70	11.71	11.72	11.73	11.74	PH 11.75	11.76	11.77	11.78	11.79	11.80
7.0	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
7.2	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
7.4	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
7.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
7.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
8.0	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
8.2	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
8.4	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
8.6	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
8.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
9.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
9.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
9.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
9.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
9.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
10.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
11.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
12.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
13.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
14.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TEMP DEG C	11.70	11.71	11.72	11.73	11.74	PH 11.75	11.76	11.77	11.78	11.79	11.80
14.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
14.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
14.4	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
14.6	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
14.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
15.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
15.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
15.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
15.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
15.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
16.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
16.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
16.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
16.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
16.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
17.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
17.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
17.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
17.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
17.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
18.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
18.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
18.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
18.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
18.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
19.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
19.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
19.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
19.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
19.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
20.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
20.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
20.4	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
20.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
20.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
21.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4

TABLE A-1 CONTINUED

TEMP DEG C	11.70	11.71	11.72	11.73	11.74	PH 11.75	11.76	11.77	11.78	11.79	11.80
21.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
21.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
21.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
21.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
21.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
22.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
22.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
22.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
22.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
22.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
23.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
23.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
23.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
23.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
23.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
24.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
24.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
24.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
24.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
24.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
25.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
25.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
25.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
25.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
26.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
26.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
26.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
26.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
26.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
27.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
27.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
27.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
27.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
27.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
28.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7

TABLE A-1 CONTINUED

TABLE PAGE 407

TEMP DEG C	11.70	11.71	11.72	11.73	11.74	PH 11.75	11.76	11.77	11.78	11.79	11.80
28.0	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
28.2	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
28.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
28.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
28.8	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29.0	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
29.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
30.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
30.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
30.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
30.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
30.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
31.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
31.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
31.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
31.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
31.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
32.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
32.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
32.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
32.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
32.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
33.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
33.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
33.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
33.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
33.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
34.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
34.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
34.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
34.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
34.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
35.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TABLE A-1 CONTINUED

TEMP DEG C	11.70	11.71	11.72	11.73	11.74	PH 11.75	11.76	11.77	11.78	11.79	11.80
35.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
35.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
35.4	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
35.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
35.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
36.0	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
36.2	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.4	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
40.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TABLE A-1 CONTINUED

TABLE PAGE 409

TEMP DEG C	11.30	11.81	11.82	11.83	11.84	PH 11.85	11.86	11.87	11.88	11.89	11.90
0	98.1	98.2	98.2	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5
.2	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.5
.4	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.5	98.5	98.5
.6	98.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6
.8	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6
1.0	98.3	98.3	98.3	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6
1.2	98.3	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6
1.4	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.7	98.7
1.6	98.4	98.4	98.4	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7
1.8	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7
2.0	98.4	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.8	98.8
2.2	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.7	98.7	98.8	98.8
2.4	98.5	98.5	98.6	98.6	98.6	98.7	98.6	98.7	98.8	98.8	98.8
2.6	98.5	98.5	98.6	98.6	98.6	98.7	98.6	98.7	98.8	98.8	98.8
2.8	98.5	98.5	98.6	98.6	98.6	98.7	98.6	98.7	98.8	98.8	98.8
3.0	98.5	98.5	98.6	98.6	98.6	98.7	98.6	98.7	98.8	98.8	98.8
3.2	98.6	98.6	98.6	98.6	98.7	98.7	98.6	98.7	98.8	98.8	98.8
3.4	98.6	98.6	98.6	98.6	98.7	98.7	98.6	98.7	98.8	98.8	98.8
3.6	98.6	98.6	98.6	98.6	98.7	98.7	98.6	98.7	98.8	98.8	98.8
3.8	98.6	98.6	98.6	98.6	98.7	98.7	98.6	98.7	98.8	98.8	98.8
4.0	98.6	98.6	98.6	98.6	98.7	98.7	98.6	98.7	98.8	98.8	98.8
4.2	98.7	98.7	98.7	98.7	98.8	98.8	98.6	98.7	98.8	98.8	98.8
4.4	98.7	98.7	98.7	98.7	98.8	98.8	98.6	98.7	98.8	98.8	98.8
4.6	98.7	98.7	98.7	98.7	98.8	98.8	98.6	98.7	98.8	98.8	98.8
4.8	98.7	98.7	98.7	98.7	98.8	98.8	98.6	98.7	98.8	98.8	98.8
5.0	98.7	98.7	98.7	98.7	98.8	98.8	98.6	98.7	98.8	98.8	98.8
5.2	98.8	98.8	98.8	98.8	98.8	98.8	98.6	98.7	98.8	98.8	98.8
5.4	98.8	98.8	98.8	98.8	98.8	98.8	98.6	98.7	98.8	98.8	98.8
5.6	98.8	98.8	98.8	98.8	98.8	98.8	98.6	98.7	98.8	98.8	98.8
5.8	98.8	98.8	98.8	98.8	98.8	98.8	98.6	98.7	98.8	98.8	98.8
6.0	98.8	98.8	98.8	98.8	98.8	98.8	98.6	98.7	98.8	98.8	98.8
6.2	98.9	98.9	98.9	98.9	98.9	98.9	98.6	98.7	98.8	98.8	98.8
6.4	98.9	98.9	98.9	98.9	98.9	98.9	98.6	98.7	98.8	98.8	98.8
6.6	98.9	98.9	98.9	98.9	98.9	98.9	98.6	98.7	98.8	98.8	98.8
6.8	98.9	98.9	98.9	98.9	98.9	98.9	98.6	98.7	98.8	98.8	98.8
7.0	98.9	98.9	98.9	98.9	98.9	98.9	98.6	98.7	98.8	98.8	98.8

TABLE PAGE 410

TABLE A-1 CONTINUED

TEMP DEG C	11.80	11.81	11.82	11.83	11.84	PH 11.85	11.86	11.87	11.88	11.89	11.90
7.0	98.9	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.2
7.2	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2
7.4	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2
7.6	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
7.8	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2
8.0	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
8.2	99.0	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
8.4	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
8.6	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
8.8	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
9.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3
9.2	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
9.4	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
9.6	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
9.8	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
10.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
10.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
10.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
10.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
10.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
11.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
11.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
11.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
11.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
11.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
12.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
12.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
12.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
12.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
12.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
13.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
13.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
13.4	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
13.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
13.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
14.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3

TEMP DEG C	11.80	11.81	11.82	11.83	11.84	PH 11.85	11.86	11.87	11.88	11.89	11.90
14.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
14.2	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
14.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
14.6	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
15.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
15.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
15.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
15.6	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
15.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
16.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
16.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
16.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
16.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
16.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
17.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
17.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
17.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
17.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
17.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
18.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
18.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
18.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
18.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
18.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
19.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
19.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
19.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
19.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
19.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
20.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
20.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
20.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
20.6	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
20.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
21.0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TABLE A-1 CONTINUED

TABLE PAGE 412

[illegible]

TABLE PAGE 413

420

TABLE A-1 CONTINUED

TEMP DEG C	11.80	11.81	11.82	11.83	11.84	PH 11.85	11.86	11.87	11.88	11.89	11.90
35.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TABLE PAGE 415

TABLE A-1 CONTINUED

TEMP DEG C	11.90	11.91	11.92	11.93	11.94	PH 11.95	11.96	11.97	11.98	11.99	12.00
0	98.5	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8
.2	98.5	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8
.4	98.5	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9
.6	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9
1.0	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9
1.2	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9
1.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9
1.6	98.7	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
1.8	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
2.0	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
2.2	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
3.0	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
3.2	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
3.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
3.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
3.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
4.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
4.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
4.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
4.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
4.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
5.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
5.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
5.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
5.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
5.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
6.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
6.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
6.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
6.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
6.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
7.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TABLE A-1 CONTINUED

TEMP DEG C	11.90	11.91	11.92	11.93	11.94	PH 11.95	11.96	11.97	11.98	11.99	12.00
7.0	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3
7.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
7.4	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
7.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
7.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
8.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
8.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
8.4	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
8.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
8.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
9.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
9.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
9.4	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
9.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
9.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
10.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
10.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
10.4	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
10.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
10.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
11.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
11.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
11.4	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
11.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
11.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
12.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
12.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
12.4	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
12.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
12.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
13.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
13.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
13.4	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
13.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
13.8	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
14.0	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3

TABLE PAGE 417

TABLE A-1 CONTINUED

TEMP DEG C	11.90	11.91	11.92	11.93	11.94	PH 11.95	11.96	11.97	11.98	11.99	12.00
14.0	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6
14.2	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
14.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
14.6	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
14.8	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
15.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
15.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
15.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
15.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
16.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
16.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
16.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
16.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
16.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
17.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
17.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
17.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
17.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
17.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
18.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
18.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
18.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
18.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
18.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
19.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
19.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
19.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
19.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
19.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
20.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
20.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
20.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
20.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
20.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
21.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TABLE A-1 CONTINUED

TEMP DEG C	11.90	11.91	11.92	11.93	11.94	PH 11.95	11.96	11.97	11.98	11.99	12.00
21.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
21.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8
21.4	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8
21.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
21.8	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
22.0	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
22.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
22.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
22.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
22.8	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
23.0	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
23.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
23.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
23.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
23.8	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
24.0	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
24.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
24.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
24.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
24.8	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
25.0	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
25.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
25.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
25.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
25.8	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
26.0	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
26.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
26.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
26.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
26.8	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
27.0	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
27.2	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
27.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
27.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
27.8	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
28.0	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TABLE PAGE 419

TABLE A-1 CONTINUED

TEMP DEG C	11.90	11.91	11.92	11.93	11.94	PH 11.95	11.96	11.97	11.98	11.99	12.00
28.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
28.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
28.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
28.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
28.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
29.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
29.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
29.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
29.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
29.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
30.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
30.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
30.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
30.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
30.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
31.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
31.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
31.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
31.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
31.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
32.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
32.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
32.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
32.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
32.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
33.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
33.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
33.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
33.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
33.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
34.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
34.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
34.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
34.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
34.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
35.0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9

TABLE A-1 CONTINUED

TEMP DEG C	11.90	11.91	11.92	11.93	11.94	PH 11.95	11.96	11.97	11.98	11.99	12.00
35.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
35.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
36.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
37.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
38.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
39.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
40.0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TECHNICAL REPORT DATA (Please read Instructions on the reverse before completing)		
1. REPORT NO. EPA-600/3-79-091	2.	3. RECIPIENT'S ACCESSION NO.
4. TITLE AND SUBTITLE Aqueous Ammonia Equilibrium - Tabulation of Percent Un-ionized Ammonia	5. REPORT DATE August 1979 issuing date	
	6. PERFORMING ORGANIZATION CODE	
7. AUTHOR(S) Robert V. Thurston, Rosemarie C. Russo, and Kenneth Emerson	8. PERFORMING ORGANIZATION REPORT NO.	
9. PERFORMING ORGANIZATION NAME AND ADDRESS Fisheries Bioassay Laboratory Montana State University Bozeman, Montana 59717	10. PROGRAM ELEMENT NO. 1BA021	
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15. SUPPLEMENTARY NOTES This report is the first of a series that describes the acute and chronic effects of ammonia and nitrite on fishes and macroinvertebrates.		
16. ABSTRACT The percent of un-ionized ammonia as a function of pH and temperature in aqueous ammonia solutions of zero salinity is presented in tabular form over the following ranges: temperature 0.0 to 40.0 C in increments of 0.2 degree, and pH 5.00 to 12.00 in increments of 0.01 pH unit.		
17. KEY WORDS AND DOCUMENT ANALYSIS		
a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
*Ammonia *Chemical Equilibrium pH Temperature Water	*Un-ionized (NH ₃) Tabulation Percent Zero Salinity	99 F
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